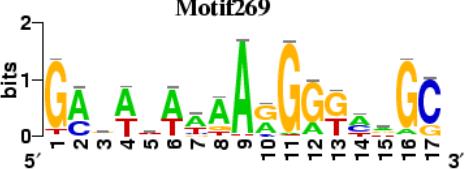
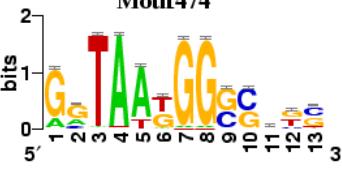
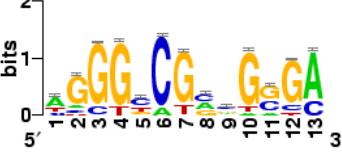
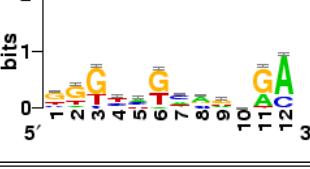
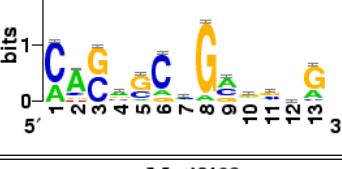
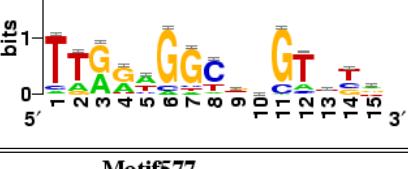
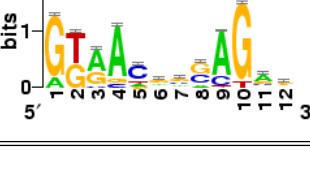


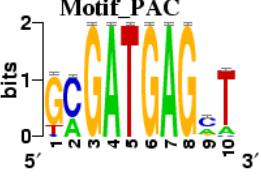
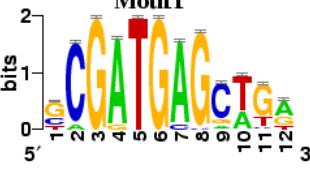
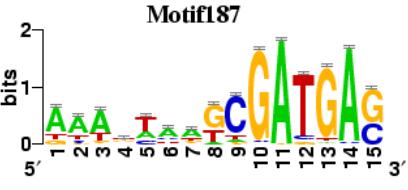
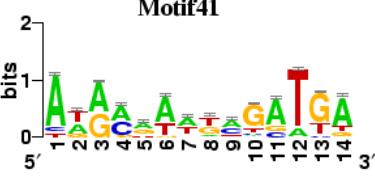
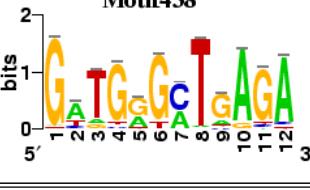
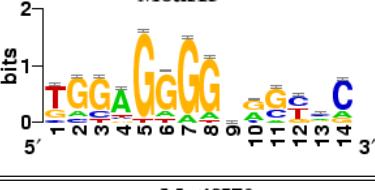
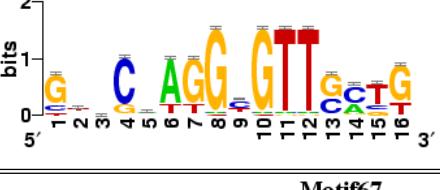
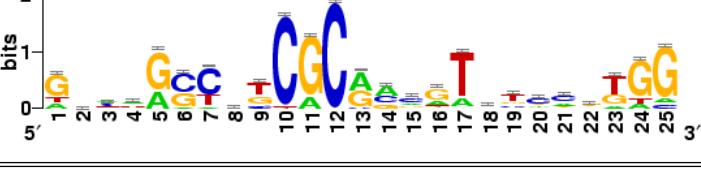
Figure S3.

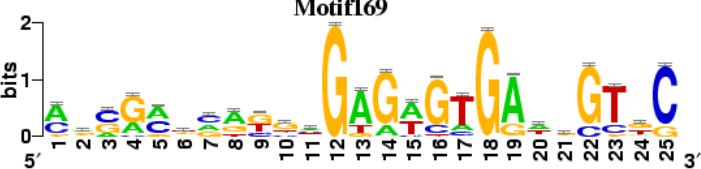
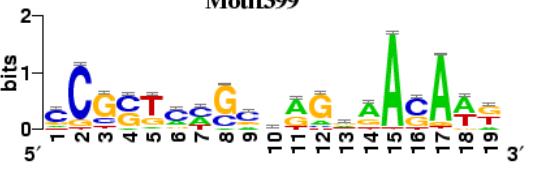
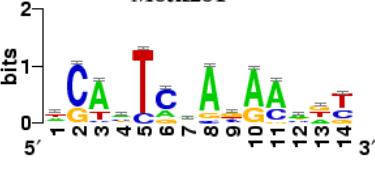
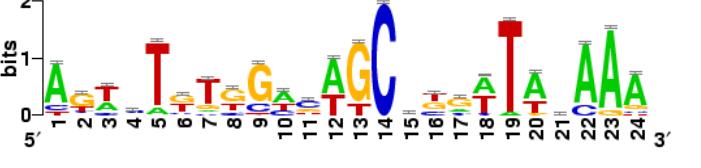
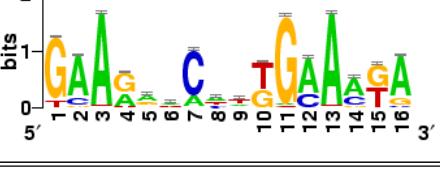
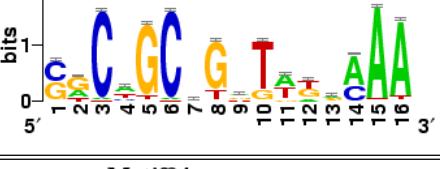
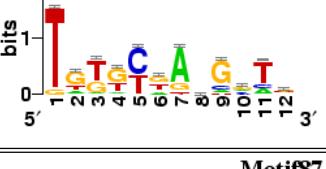
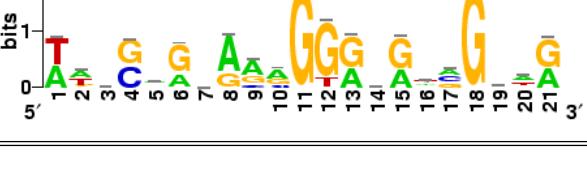
Top 5 motifs selected in each cluster in five-fold cross-validation. In each cross-validation, a set of motifs are generated using the training set only. The known 51 motifs are included too.

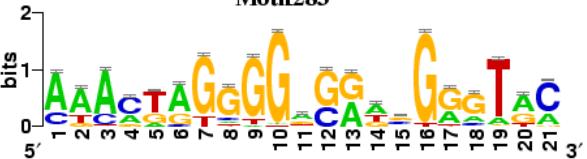
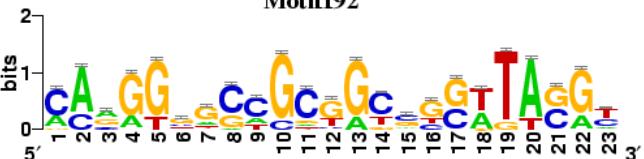
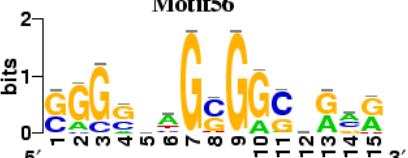
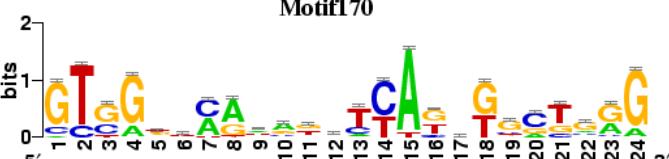
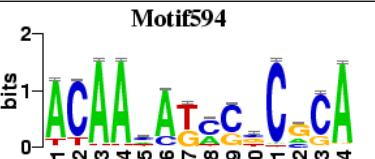
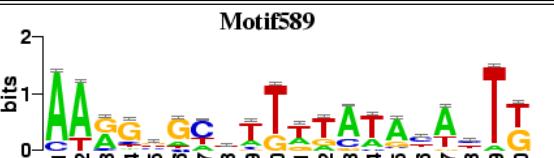
CV01:

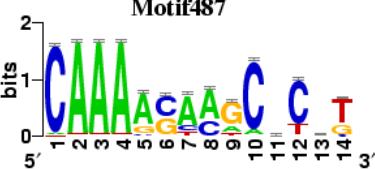
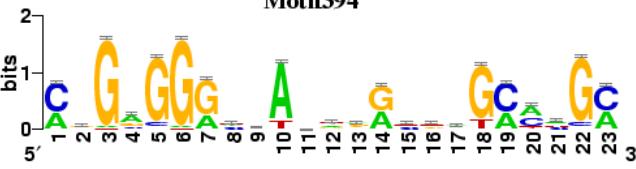
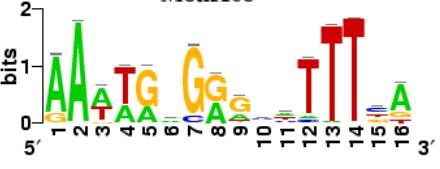
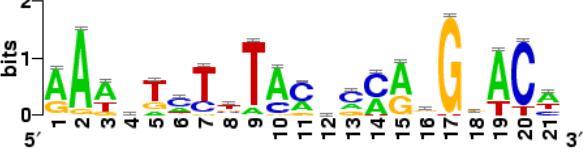
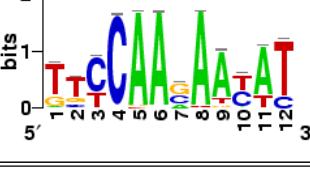
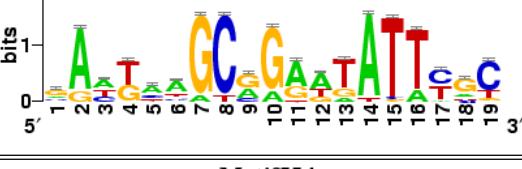
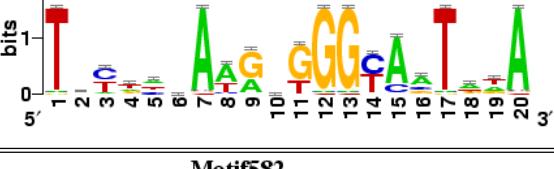
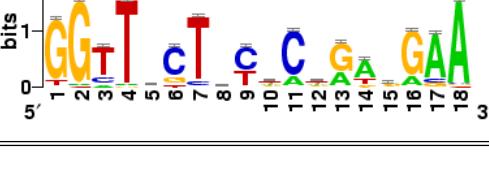
Cluster	Motif	Chi-square statistic	Score cutoff	Posterior probability within cluster	Posterior probability outside cluster
1	Motif230	810.08	0.6	0.608	0.015
	Motif355	689.50	0.65	0.686	0.032
	Motif2	660.15	0.5	0.627	0.027
	Motif382	432.86	0.6	0.676	0.063
	Motif_RAP1	381.53	0.8	0.490	0.034
	Motif555	239.28	0.75	0.172	0.003
	Motif598	175.03	0.8	0.108	0.001

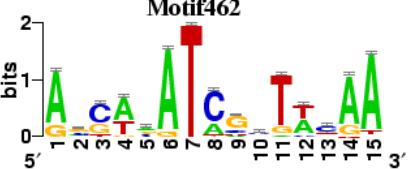
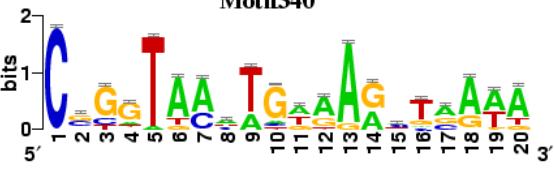
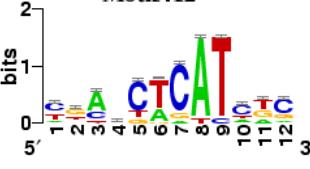
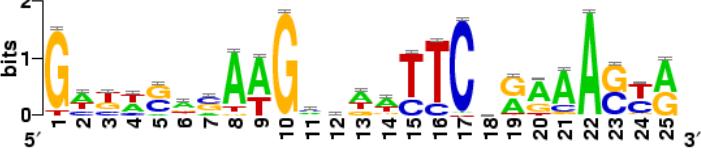
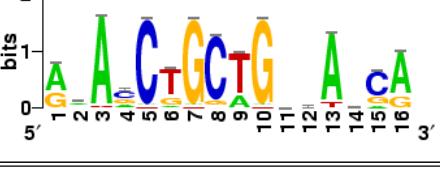
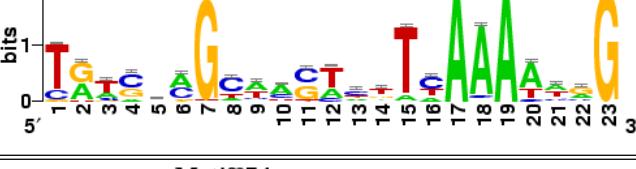
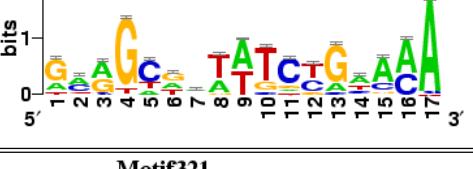
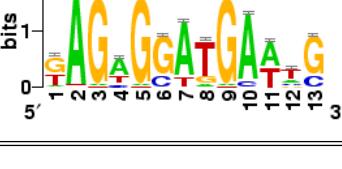
	Motif269		170.67	0.8	0.129	0.003
2	Motif474		170.67	0.85	0.129	0.003
	Motif260		153.39	0.85	0.097	0.001
	Motif91		200.31	0.7	0.241	0.012
3	Motif93		109.47	0.9	0.103	0.003
	Motif154		107.93	0.75	0.207	0.019
	Motif439		95.82	0.9	0.069	0.001
	Motif577		43.00	0.55	0.724	0.375
			312.45	0.75	0.686	0.083

				
4		275.93	0.5	0.709
		264.08	0.6	0.709
		246.14	0.8	0.360
		173.96	0.65	0.395
5		231.47	0.7	0.304
		209.07	0.7	0.159
		206.58	0.7	0.174
		195.96	0.55	0.362
				0.027

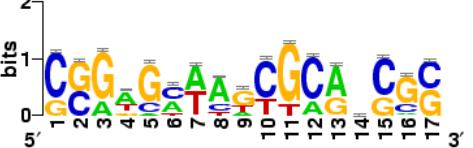
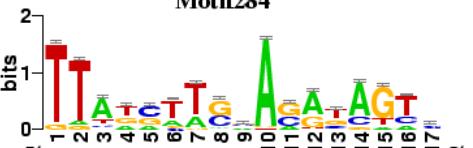
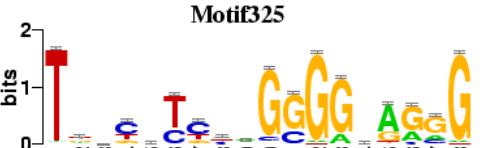
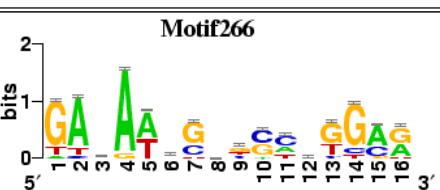
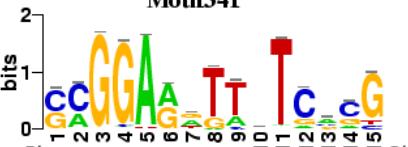
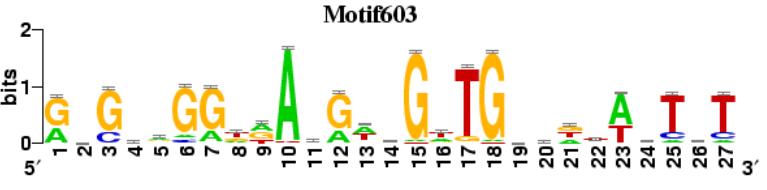
	 <p>Motif69</p>			
	 <p>Motif399</p>		107.50	0.6 0.449 0.079
6	 <p>Motif261</p>		209.07	0.85 0.159 0.002
	 <p>Motif365</p>		143.28	0.55 0.304 0.026
	 <p>Motif612</p>		142.86	0.85 0.116 0.002
	 <p>Motif440</p>		135.07	0.75 0.145 0.004
	 <p>Motif94</p>		89.73	0.95 0.058 0.000
	 <p>Motif87</p>		221.19	0.75 0.294 0.014
			208.36	0.55 0.250 0.010

	Motif283			
7				
	Motif192			
		170.28	0.65	0.147
	Motif56			
		164.47	0.75	0.250
	Motif170			
		152.91	0.6	0.206
	Motif616			
		420.72	0.85	0.258
8	Motif291			
		351.88	0.85	0.212
	Motif594			
		203.61	0.8	0.167
	Motif589			
		144.02	0.65	0.242
		122.81	0.85	0.121
				0.003

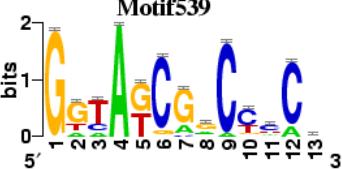
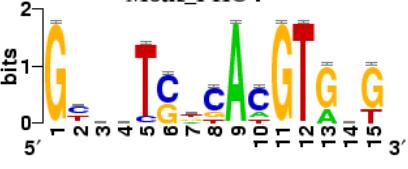
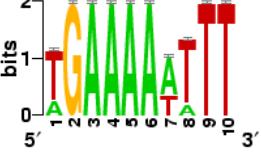
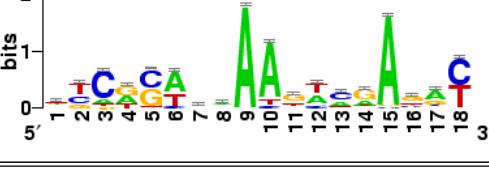
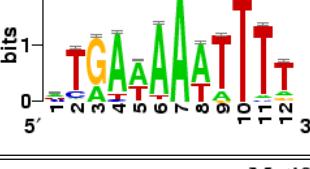
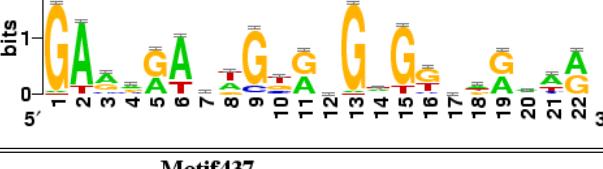
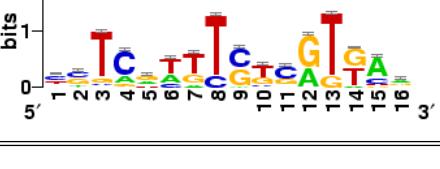
	Motif487				
	Motif394		281.58	0.75	0.190
9	Motif106		197.04	0.8	0.317
	Motif377		188.09	0.8	0.143
	Motif471		188.09	0.9	0.143
	Motif580		171.69	0.65	0.206
	Motif554		311.46	0.75	0.232
10	Motif582		297.17	0.7	0.214
			283.45	0.7	0.429
					0.021

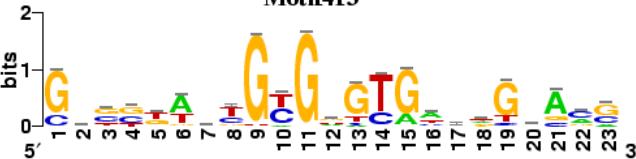
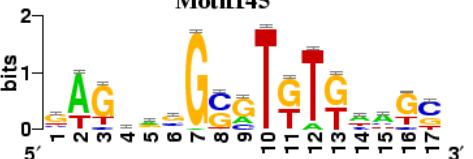
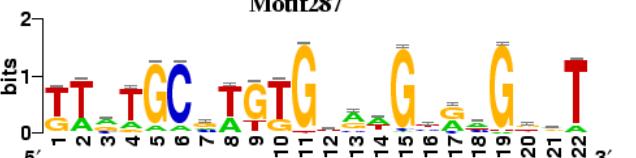
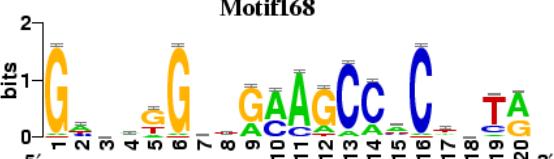
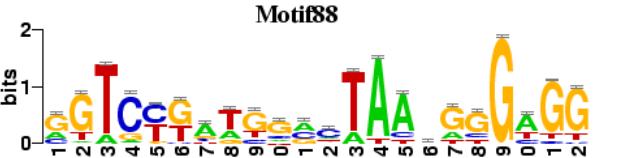
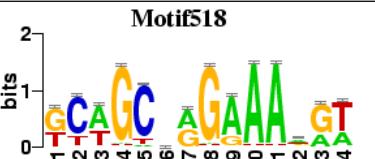
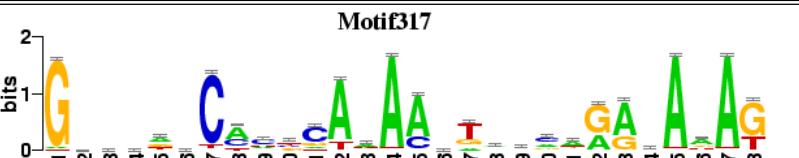
		Motif462				
		Motif340		259.89	0.75	0.214
		Motif412		186.20	0.65	0.804
		Motif502		650.51	0.6	0.371
		Motif227		372.64	0.8	0.258
11		Motif525		309.73	0.6	0.226
		Motif374		296.43	0.8	0.274
		Motif321		276.44	0.75	0.226
				232.52	0.7	0.250
						0.007

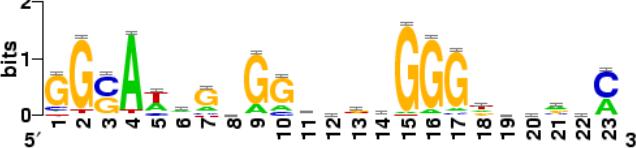
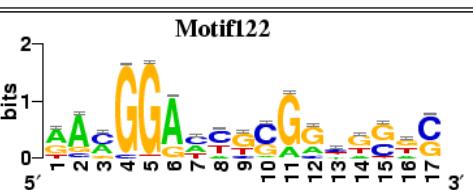
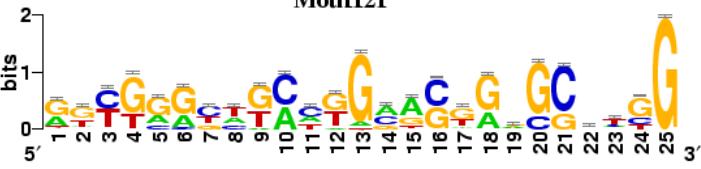
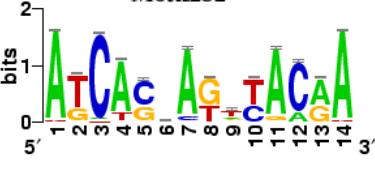
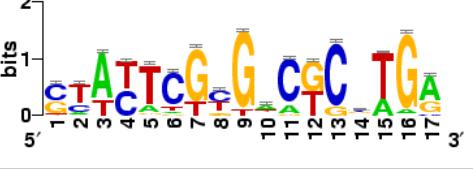
12	Motif451			
	Motif228		230.46	0.75 0.214 0.004
	Motif584		227.57	0.8 0.143 0.001
	Motif134		227.42	0.75 0.196 0.003
	Motif339		210.83	0.8 0.179 0.003
13	Motif585		191.01	0.8 0.158 0.002
	Motif33		36.62	0.95 0.035 0.000
	Motif159		36.62	0.95 0.035 0.000
			36.62	0.95 0.035 0.000

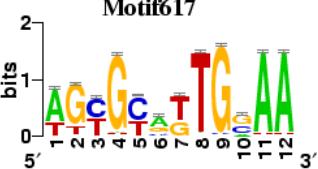
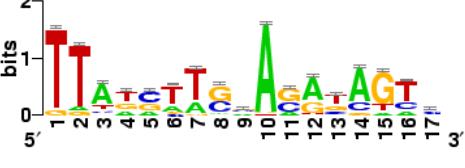
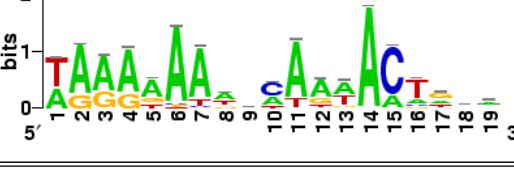
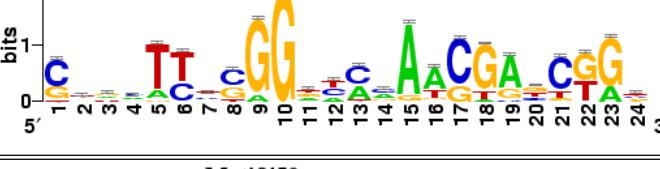
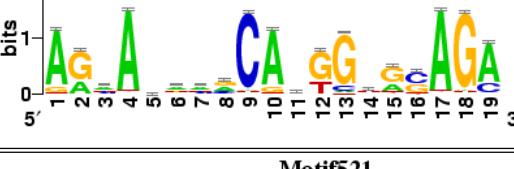
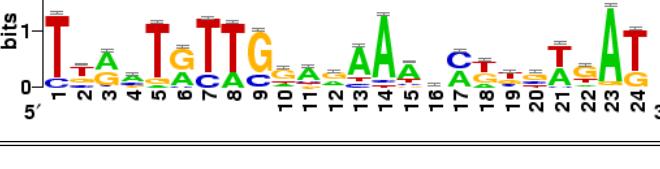
	Motif219				
	Motif284		36.62	0.85	0.035
14	Motif325		339.42	0.75	0.211
	Motif266		319.37	0.85	0.263
	Motif341		303.17	0.7	0.246
	Motif603		296.09	0.8	0.175
	Motif353		293.94	0.8	0.158
	Motif250		424.58	0.85	0.333
			338.90	0.75	0.278
					0.004

	Motif601			
15	<p>Motif601</p>			
	Motif405	273.59	0.65	0.333
	<p>Motif405</p>			0.011
	Motif516	261.10	0.65	0.278
	<p>Motif516</p>			0.007
	Motif564	227.67	0.65	0.333
	<p>Motif564</p>			0.015
	Motif611	99.07	0.85	0.236
16	<p>Motif611</p>			0.018
	Motif86	76.11	0.95	0.055
	<p>Motif86</p>			0.000
	Motif251	42.64	0.85	0.164
	<p>Motif251</p>			0.019
	Motif292	38.04	0.95	0.036
		38.04	0.95	0.036
				0.000

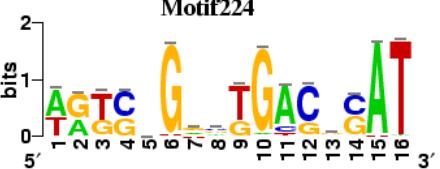
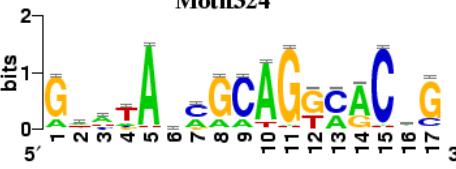
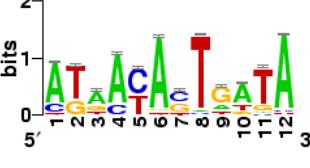
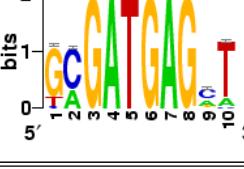
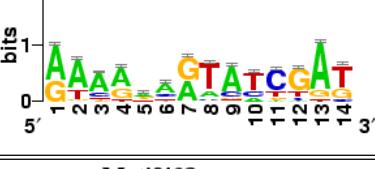
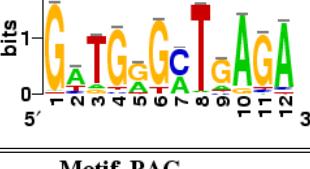
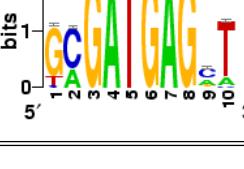
					
17	Motif58		114.26	0.9	0.151
	Motif_PHO4		79.17	0.95	0.057
	Motif_RRPE		63.25	0.8	0.604
	Motif8		51.48	0.95	0.057
	Motif3		46.15	0.6	0.736
18	Motif504		144.21	0.75	0.234
	Motif437		130.93	0.75	0.170
			122.10	0.7	0.191
					0.007

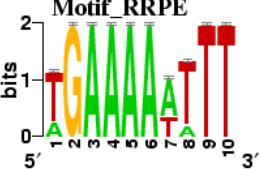
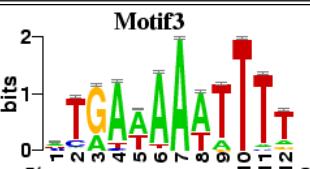
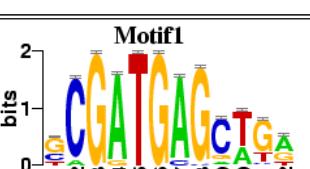
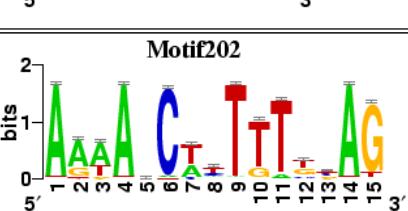
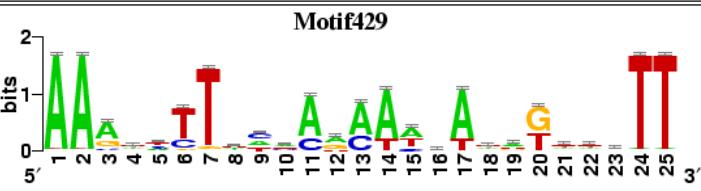
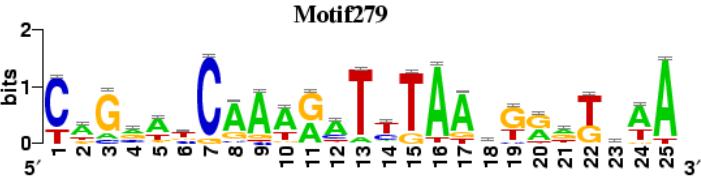
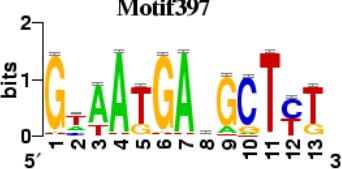
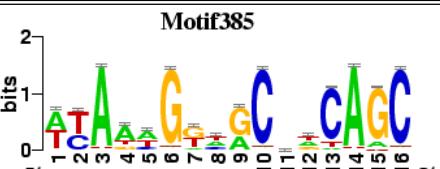
		Motif413				
						
		Motif145			121.00	0.9 0.128 0.002
						
		Motif287			96.86	0.65 0.191 0.010
						
		Motif168			351.29	0.75 0.250 0.002
						
		Motif216			322.13	0.75 0.208 0.001
						
19		Motif88			252.75	0.65 0.188 0.002
						
		Motif518			230.47	0.8 0.188 0.002
						
		Motif317			228.20	0.7 0.292 0.009
						
					355.56	0.75 0.298 0.004

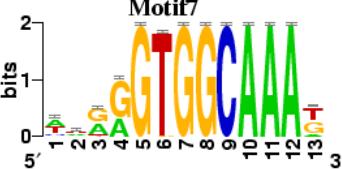
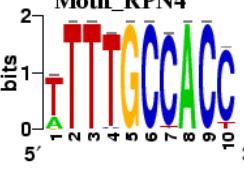
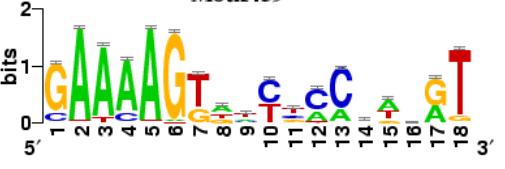
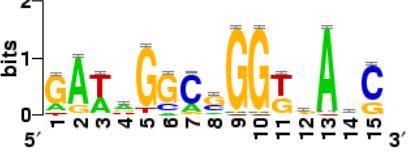
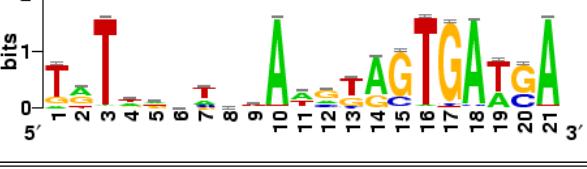
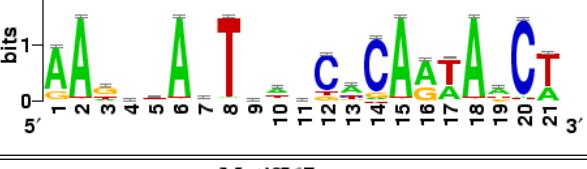
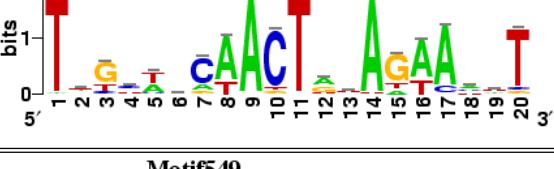
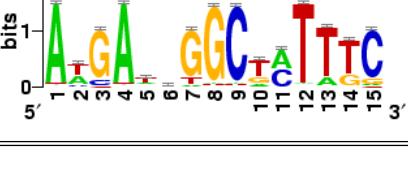
	Motif149			
				
20	Motif191	300.71	0.6	0.213
				0.002
	Motif416	300.71	0.85	0.213
				0.002
	Motif122	295.22	0.8	0.234
				0.003
	Motif21	295.12	0.55	0.298
				0.006
21	Motif282	243.01	0.85	0.217
				0.003
	Motif56	160.10	0.65	0.239
				0.009
	Motif166	146.78	0.75	0.261
		118.02	0.75	0.217
				0.010

	Motif617					
						
	Motif610					
			107.22	0.7	0.261	0.018
22	Motif542					
			240.69	0.75	0.244	0.005
	Motif284					
			111.68	0.7	0.244	0.014
	Motif376					
			58.90	0.85	0.200	0.018
	Motif331					
			47.12	0.75	0.044	0.000
	Motif453					
			22.58	0.95	0.044	0.001
	Motif521					
			287.81	0.8	0.178	0.001
			236.60	0.8	0.333	0.012

	Motif515					
23						
	Motif193		149.46	0.85	0.111	0.001
	Motif576		141.48	0.85	0.089	0.000
	Motif_STE12		61.55	0.95	0.067	0.001
	Motif402		461.55	0.65	0.262	0.001
	Motif389		372.05	0.75	0.238	0.001
24	Motif511		372.05	0.7	0.238	0.001
	Motif527		358.88	0.5	0.262	0.002
			335.23	0.7	0.286	0.004

		Motif224				
						
		Motif324				
				245.02	0.7	0.214
		Motif506				
				122.39	0.75	0.143
25		Motif411				
25				92.02	0.9	0.143
		Motif_PAC				
				74.09	0.65	0.571
		Motif20				
				73.06	0.85	0.143
		Motif438				
				115.70	0.7	0.386
26		Motif_PAC				
26				96.94	0.75	0.568
				64.60	0.75	0.682
						0.190

				
		55.24	0.9	0.364
		54.63	0.5	0.500
		300.63	0.8	0.289
		274.19	0.8	0.311
27		240.69	0.7	0.244
		205.81	0.8	0.178
		165.91	0.85	0.133
		415.01	0.5	0.659
				0.030

28	 <p>Motif7</p> <p>bits 0 1 2 5' 1 2 3 4 5 6 7 8 9 10 11 12 13 3'</p>				
	 <p>Motif_RPN4</p> <p>bits 0 1 2 5' 1 2 3 4 5 6 7 8 9 10 3'</p>	315.84	0.8	0.477	0.019
	 <p>Motif459</p> <p>bits 0 1 2 5' 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 3'</p>	277.79	0.8	0.205	0.002
	 <p>Motif536</p> <p>bits 0 1 2 5' 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 3'</p>	257.16	0.7	0.273	0.006
	 <p>Motif381</p> <p>bits 0 1 2 5' 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 3'</p>	253.43	0.8	0.205	0.002
	 <p>Motif380</p> <p>bits 0 1 2 5' 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 3'</p>	369.79	0.75	0.220	0.001
29	 <p>Motif567</p> <p>bits 0 1 2 5' 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 3'</p>	275.78	0.75	0.244	0.003
	 <p>Motif549</p> <p>bits 0 1 2 5' 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 3'</p>	232.02	0.8	0.171	0.001
		86.61	0.8	0.317	0.031

	Motif171				
	Motif585		52.05	0.95	0.049
	Motif19		722.44	0.7	0.756
	Motif6		669.69	0.8	0.707
30	Motif_MBP1		553.64	0.8	0.610
	Motif312		470.28	0.9	0.244
	Motif595		216.14	0.85	0.220
	Motif243		299.94	0.85	0.220
			273.75	0.7	0.220
					0.002

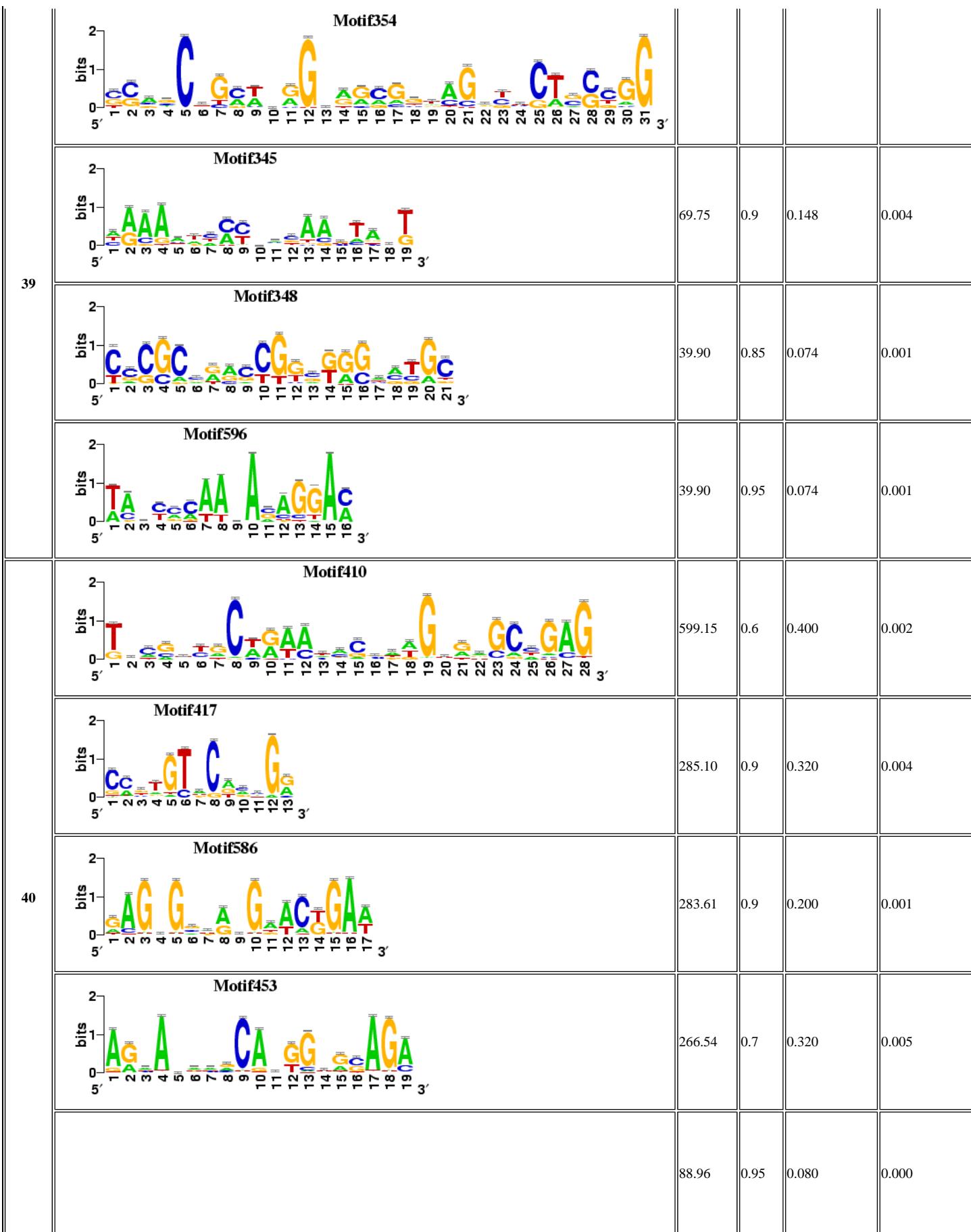
	Motif575				
31					
	Motif206				
		103.23	0.9	0.146	0.004
31	Motif560				
		50.14	0.95	0.073	0.001
	Motif200				
		27.03	0.9	0.073	0.003
	Motif472				
		395.05	0.8	0.306	0.003
32	Motif534				
		227.52	0.7	0.361	0.012
32	Motif335				
		181.09	0.7	0.472	0.030
	Motif517				
		165.76	0.85	0.250	0.007
		59.85	0.95	0.056	0.000

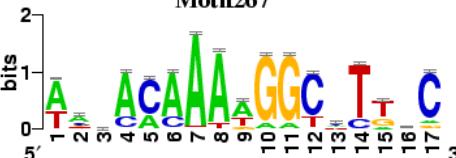
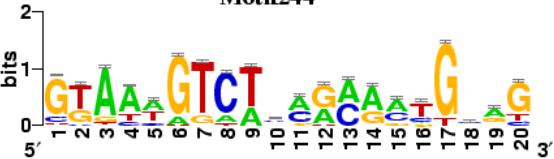
		Motif361				
		Motif110			395.41	0.75 0.212 0.000
33		Motif181			329.34	0.7 0.182 0.000
		Motif129			290.97	0.65 0.333 0.006
		Motif298			264.05	0.85 0.242 0.003
		Motif208			194.84	0.55 0.333 0.011
		Motif484			529.96	0.75 0.324 0.001
34		Motif241			454.42	0.7 0.441 0.007
					427.46	0.9 0.294 0.002

	Motif323				
	Motif544				
		369.11	0.7	0.324	0.004
	Motif401				
		316.73	0.9	0.294	0.004
	Motif548				
		391.49	0.8	0.364	0.005
	Motif303				
		288.67	0.7	0.424	0.012
35	Motif560				
		258.82	0.85	0.303	0.006
	Motif510				
		251.87	0.75	0.424	0.015
	Motif322				
		230.16	0.7	0.364	0.011
		448.96	0.65	0.290	0.001

	Motif174			
36				
	Motif461			
		173.78	0.6	0.355
	Motif218			
		157.65	0.75	0.290
	Motif546			
		70.34	0.8	0.065
	Motif311			
		63.94	0.7	0.452
	Motif448			
37		506.84	0.8	0.370
	Motif458			
		476.99	0.7	0.556
	Motif104			
		419.98	0.9	0.259
		289.78	0.8	0.444
				0.011

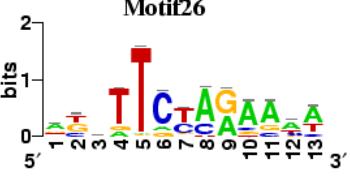
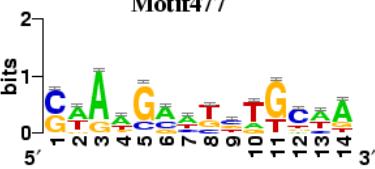
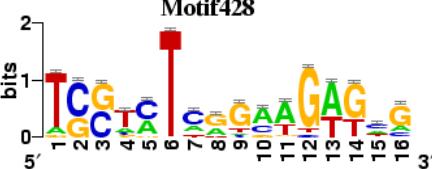
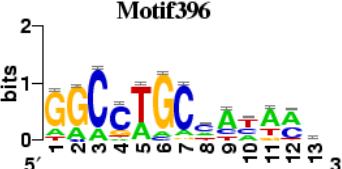
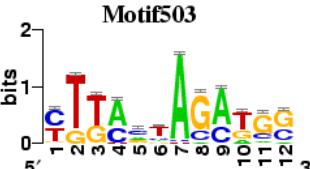
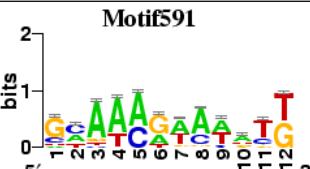
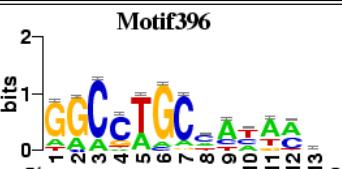
	Motif501				
	Motif470		254.45	0.85	0.333
38	Motif310		738.69	0.8	0.370
	Motif233		706.37	0.7	0.444
	Motif366		581.95	0.65	0.407
	Motif414		581.88	0.8	0.333
	Motif465		505.85	0.6	0.481
	Motif581		327.51	0.8	0.185
			81.76	0.95	0.074
					0.000

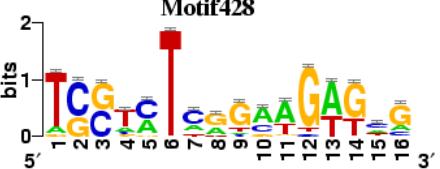
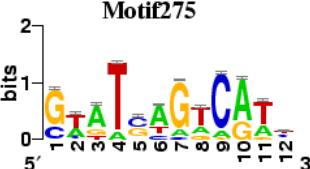
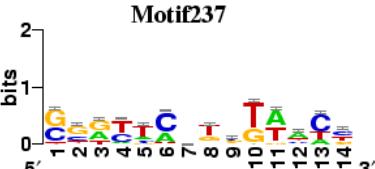
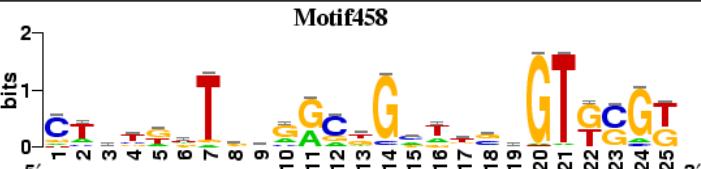
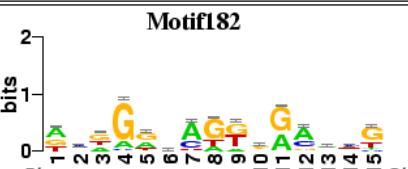
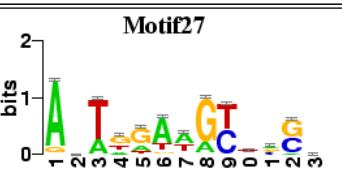
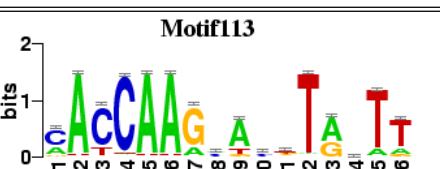
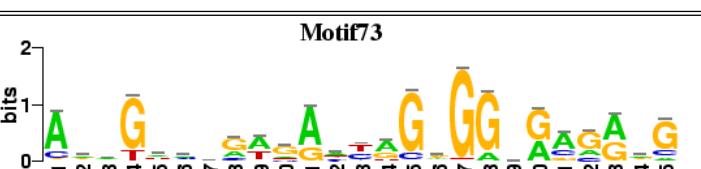


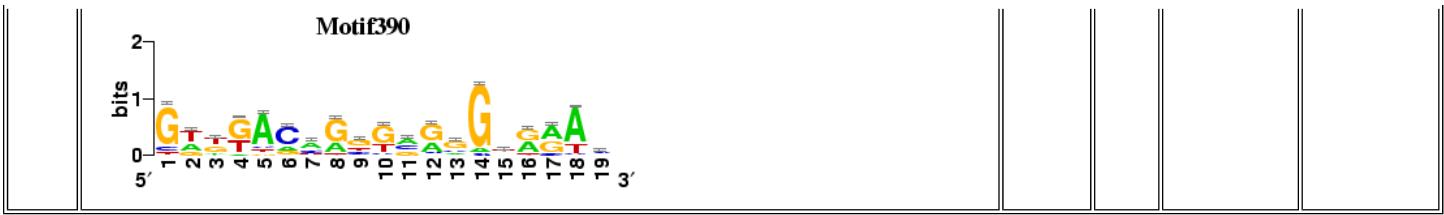
		Motif121					
41							
		Motif442		489.42	0.75	0.435	0.004
							
		Motif189		476.75	0.85	0.391	0.003
							
		Motif419		384.92	0.85	0.391	0.004
42		Motif267		363.26	0.9	0.348	0.003
							
		Motif383		361.52	0.85	0.391	0.005
42	NA			NA	NA	NA	NA
43		Motif244		440.78	0.8	0.250	0.000
							
		Motif606		418.12	0.8	0.500	0.005
				394.31	0.8	0.500	0.006

	Motif578				
	Motif334		373.01	0.75	0.500
	Motif271		285.98	0.9	0.562
	Motif425		1661.57	0.65	0.875
	Motif231		1556.84	0.75	0.875
44	Motif480		1556.84	0.7	0.875
	Motif98		1486.16	0.7	0.750
	Motif127		1486.16	0.6	0.750
			477.26	0.85	0.438
			0.003		

	Motif426					
45	Motif274		436.70	0.8	0.438	0.003
	Motif357		402.36	0.65	0.562	0.008
	Motif9		296.58	0.8	0.812	0.028
	Motif51		208.42	0.7	0.938	0.057
46	Motif103		770.99	0.75	0.500	0.001
	Motif30		630.27	0.75	0.786	0.009
	Motif183		514.75	0.9	0.286	0.000
			471.62	0.9	0.643	0.008

	Motif26				
	Motif420		470.98	0.85	0.500
47	Motif477		720.68	0.95	0.600
	Motif428		636.51	0.8	0.667
	Motif396		567.03	0.9	0.467
	Motif503		492.15	0.95	0.400
	Motif591		434.32	0.9	0.600
	Motif396		439.92	0.95	0.500
			202.90	0.85	0.500
					0.006

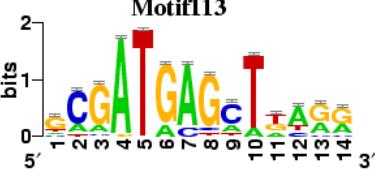
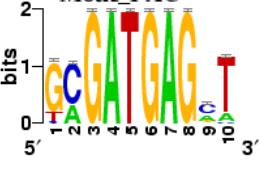
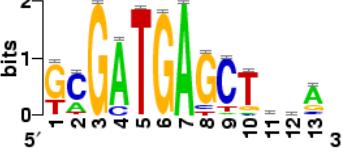
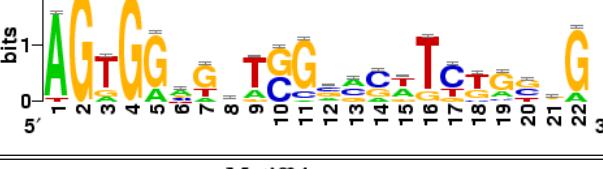
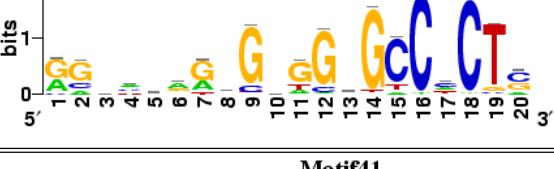
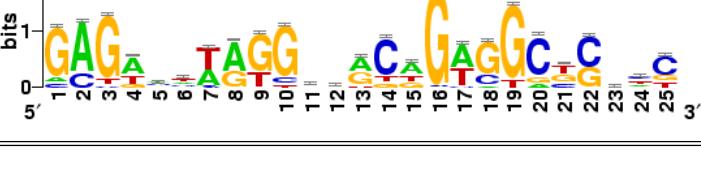
48	Motif428 			
	Motif275 	189.94	0.9	0.500
	Motif237 	171.00	0.9	0.250
	Motif458 	171.00	0.95	0.250
	Motif182 	1030.49	0.95	0.636
	Motif27 	975.74	0.85	0.818
49	Motif113 	954.34	0.8	0.545
	Motif73 	933.77	0.75	0.727
		713.95	0.85	0.545
				0.002

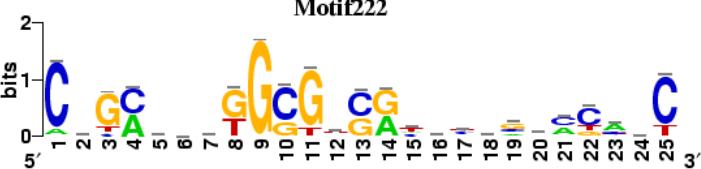
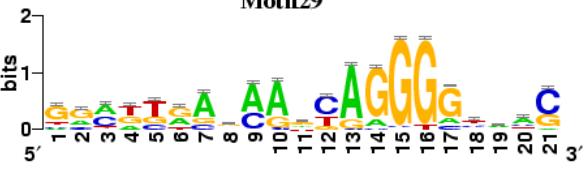
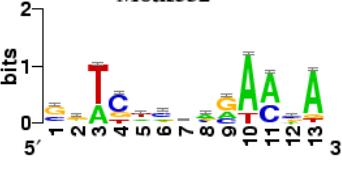
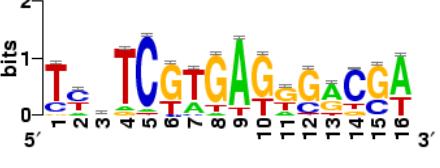
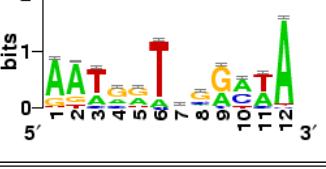
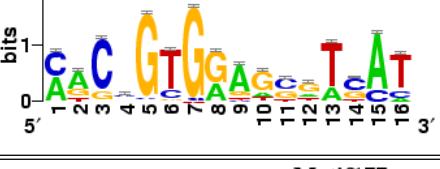
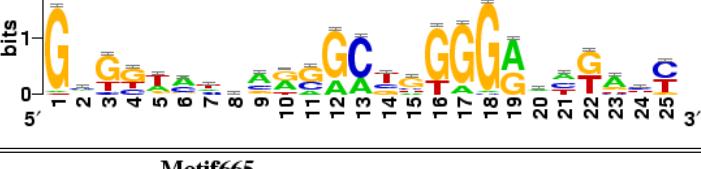
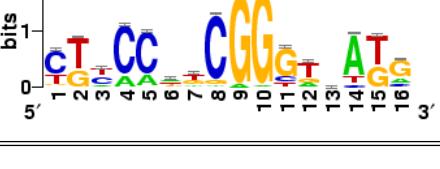


CV02:

Cluster	Motif	Chi-square statistic	Score cutoff	Posterior probability within cluster	Posterior probability outside cluster
1	Motif35	690.22	0.6	0.733	0.039
	Motif2	620.00	0.5	0.743	0.048
	Motif414	577.32	0.7	0.733	0.052
	Motif_RAP1	396.60	0.75	0.554	0.043
	Motif174	319.49	0.5	0.515	0.048
	Motif683	181.34	0.8	0.120	0.002
	Motif298	173.51	0.6	0.196	0.009

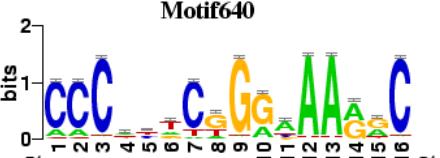
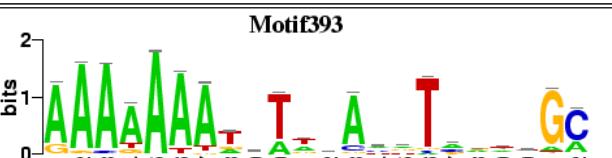
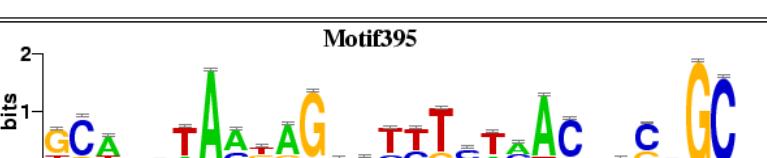
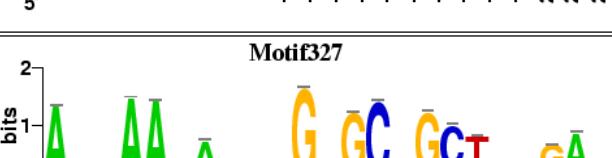
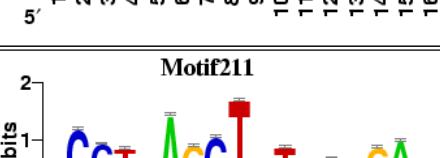
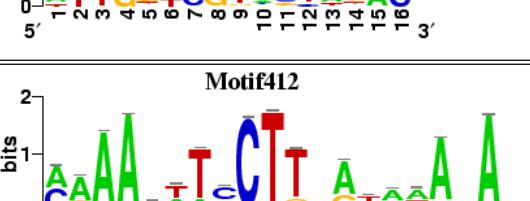
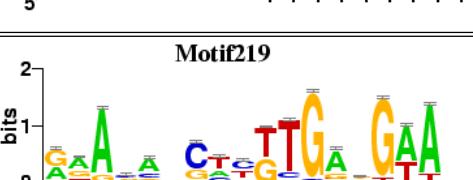
	Motif354		170.43	0.7	0.163	0.006
2	Motif377		126.41	0.75	0.152	0.008
	Motif216		124.79	0.7	0.130	0.005
	Motif358		162.28	0.8	0.091	0.001
	Motif8		145.39	0.7	0.102	0.002
3	Motif660		29.53	0.95	0.034	0.001
	Motif MSN24		23.94	0.65	0.580	0.327
	Motif273		23.12	0.9	0.023	0.001
			394.47	0.6	0.686	0.063

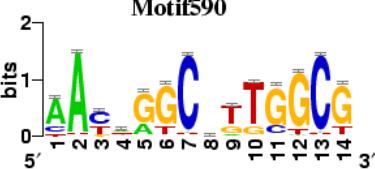
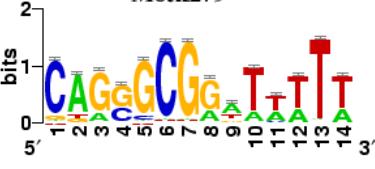
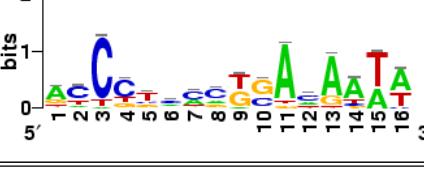
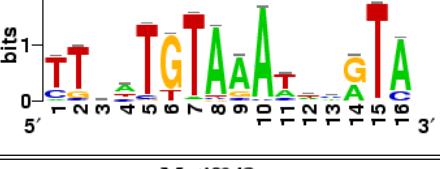
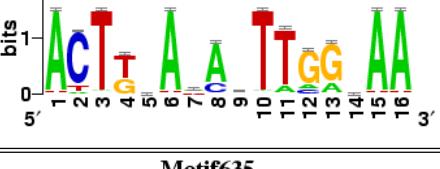
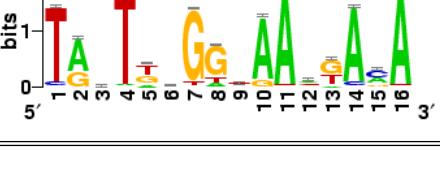
	Motif113			
4		351.10	0.55	0.709
	Motif1			0.078
		305.89	0.75	0.674
	Motif_PAC			0.081
		286.69	0.55	0.698
	Motif6			0.094
		249.44	0.6	0.802
	Motif4			0.146
		394.66	0.6	0.420
5	Motif63			0.015
		332.58	0.65	0.232
	Motif24			0.003
		272.71	0.6	0.232
	Motif41			0.005
		263.76	0.6	0.246
				0.006

	Motif222				
	Motif29		262.13	0.6	0.464
6	Motif532		132.26	0.9	0.101
	Motif584		103.33	0.6	0.319
	Motif19		43.05	0.8	0.188
	Motif554		35.26	0.85	0.058
	Motif177		29.95	0.95	0.029
	Motif665		269.10	0.7	0.209
			173.54	0.8	0.149
					0.003

	Motif390			
7		121.08	0.85	0.119
	Motif246			0.003
	Motif132		95.11	0.55
	Motif490		95.04	0.65
	Motif622		238.37	0.8
	Motif504		229.10	0.75
8	Motif302		198.67	0.8
	Motif383		163.57	0.75
			146.23	0.7
			0.379	0.040

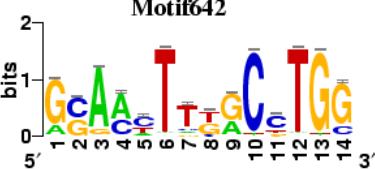
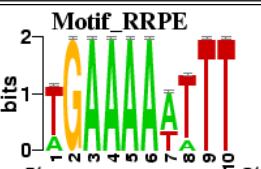
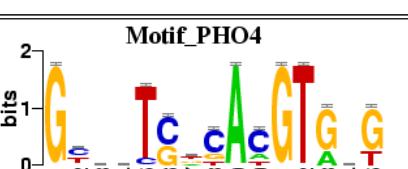
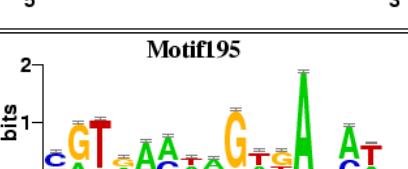
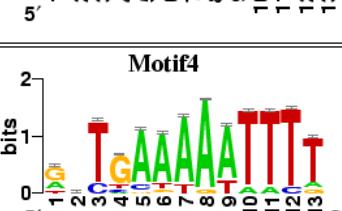
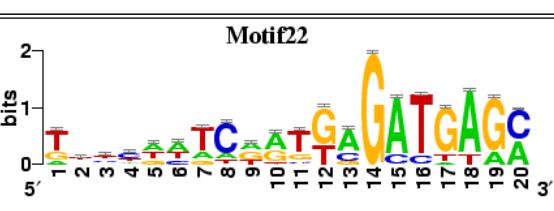
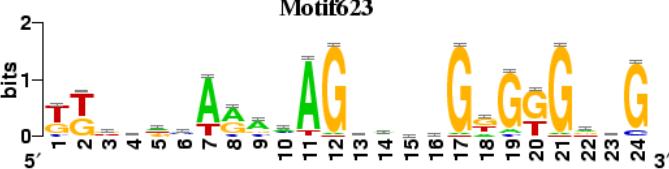
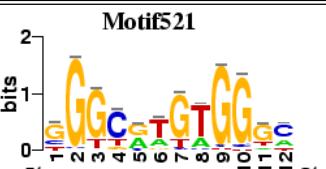
	Motif58		272.31	0.9	0.222	0.004
9	Motif244		228.04	0.7	0.270	0.010
Motif469		201.27	0.75	0.159	0.002	
Motif344		200.26	0.7	0.175	0.003	
Motif505		171.61	0.75	0.143	0.002	
10	Motif637		221.24	0.65	0.804	0.116
Motif6		221.24	0.5	0.839	0.128	
			213.53	0.7	0.196	0.004

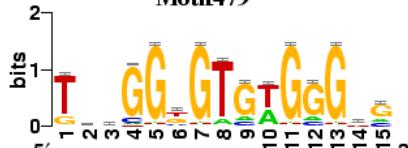
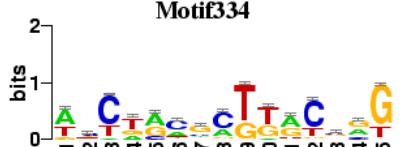
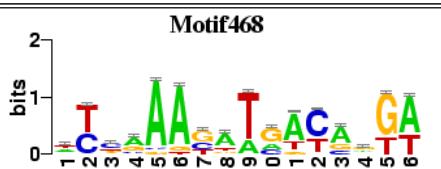
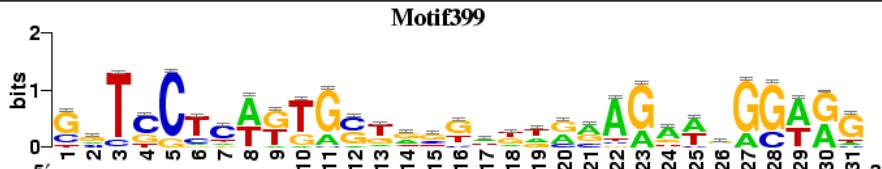
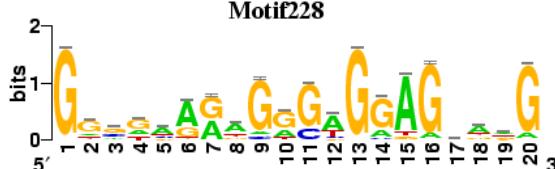
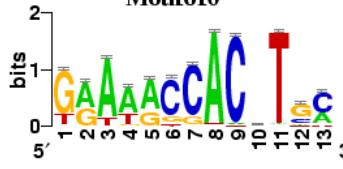
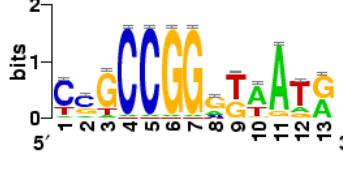
	Motif508					
	Motif640		179.09	0.7	0.161	0.003
	Motif393		171.18	0.85	0.179	0.004
	Motif395		379.58	0.6	0.344	0.008
	Motif327		357.67	0.75	0.279	0.004
11	Motif211		344.36	0.8	0.197	0.001
	Motif412		238.57	0.75	0.213	0.004
	Motif219		207.12	0.75	0.377	0.025
			320.62	0.75	0.214	0.002

	Motif590				
12		249.34	0.75	0.179	0.002
	Motif512				
12		207.18	0.7	0.214	0.005
	Motif279				
12		197.80	0.75	0.393	0.027
	Motif347				
12		160.77	0.8	0.179	0.005
	Motif471				
13		195.04	0.8	0.246	0.009
	Motif375				
13		159.24	0.8	0.140	0.002
	Motif348				
13		137.93	0.75	0.228	0.012
	Motif635				
13		58.47	0.9	0.123	0.007

14	Motif661					
	Motif660		26.68	0.5	0.246	0.585
	Motif372		390.18	0.75	0.404	0.011
	Motif604		320.18	0.5	0.263	0.004
	Motif650		279.39	0.65	0.193	0.002
	Motif578		232.76	0.85	0.158	0.001
	Motif182		210.75	0.75	0.228	0.006
	Motif615		360.52	0.85	0.208	0.001
			331.53	0.8	0.245	0.003

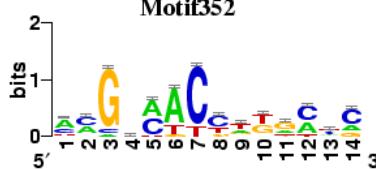
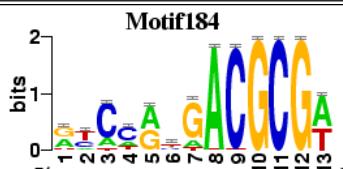
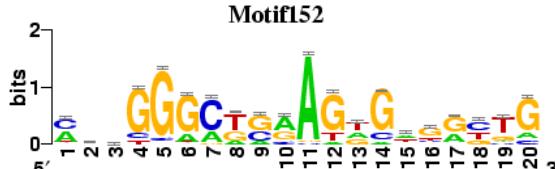
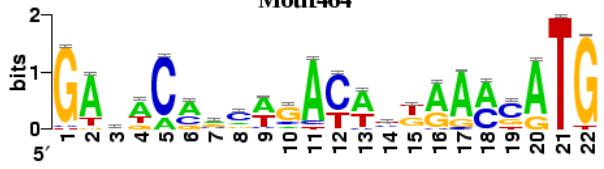
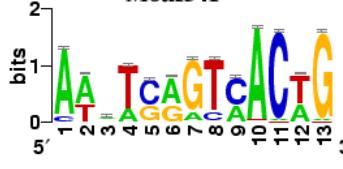
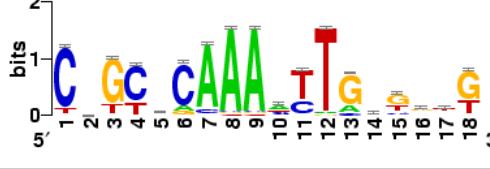
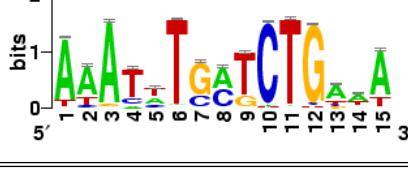
	Motif367					
15	Motif595		312.40	0.8	0.264	0.004
	Motif530		297.46	0.6	0.302	0.007
	Motif43		264.36	0.9	0.245	0.005
	Motif625		248.72	0.65	0.232	0.005
16	Motif575		228.89	0.8	0.179	0.002
	Motif324		228.14	0.85	0.143	0.001
	Motif556		223.65	0.8	0.250	0.007
			214.33	0.75	0.161	0.002

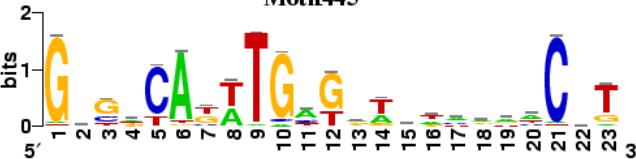
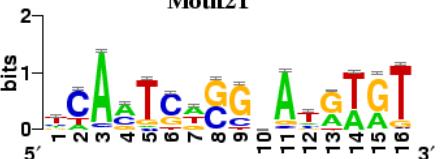
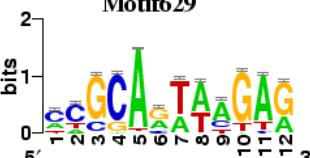
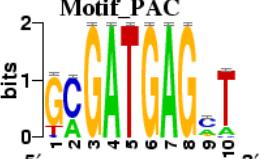
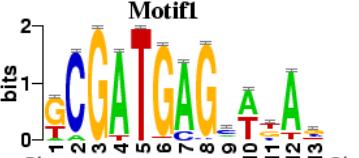
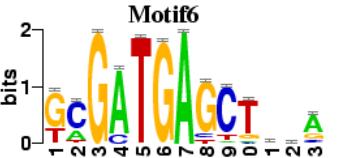
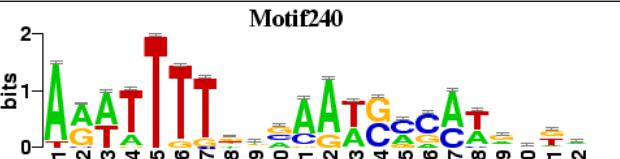
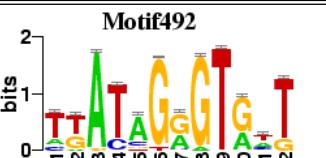
		Motif642		
				
		Motif_RRPE		
				
			58.01	0.8
		Motif_PHO4		
				
			50.57	0.95
17		Motif195		
17				
17			46.90	0.9
17		Motif4		
17				
17			40.20	0.6
17		Motif22		
17				
17			38.88	0.95
18		Motif623		
18				
18			347.59	0.7
18		Motif521		
18				
18			139.55	0.85
			99.40	0.8
			0.146	0.005

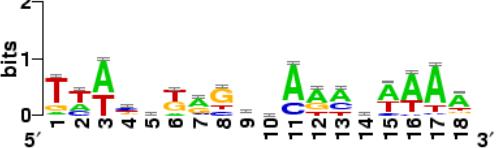
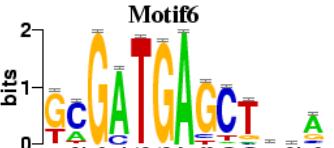
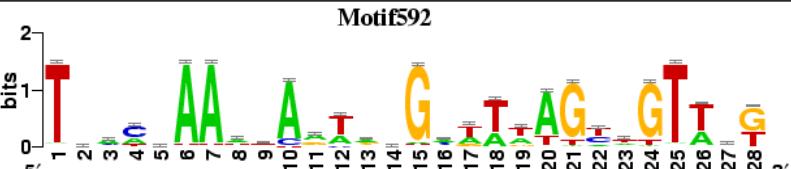
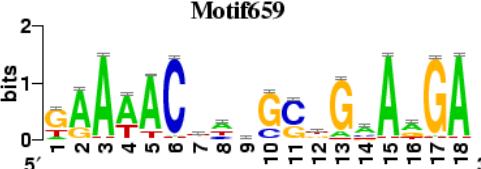
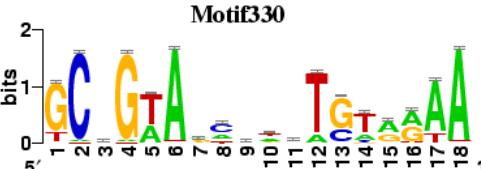
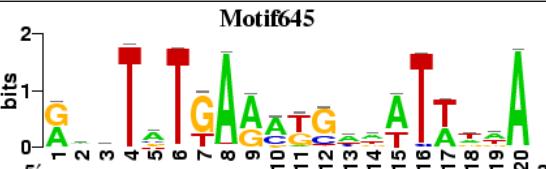
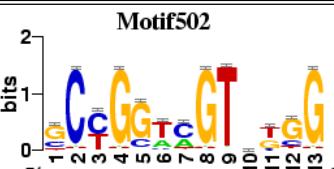
	Motif479			
				
	Motif334			
		97.65	0.95	0.104
	Motif468			
		57.51	0.9	0.062
	Motif399			
		400.35	0.65	0.245
	Motif228			
		227.27	0.7	0.204
19	Motif547			
19		187.17	0.8	0.224
	Motif610			
		178.26	0.8	0.224
	Motif300			
		170.10	0.8	0.224
		402.73	0.85	0.277
		0.002		

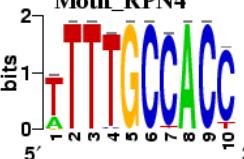
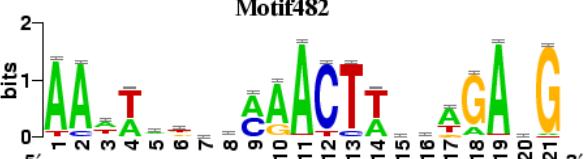
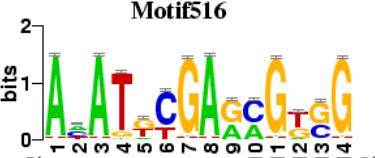
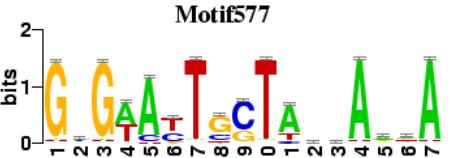
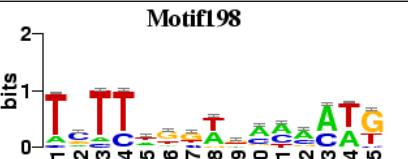
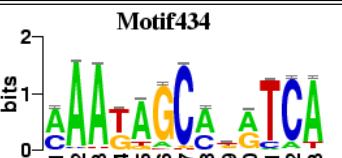
	Motif398					
20	Motif207		318.37	0.75	0.234	0.002
	Motif212		281.48	0.7	0.383	0.014
	Motif157		243.32	0.85	0.170	0.001
	Motif365		196.74	0.85	0.170	0.002
21	Motif280		370.34	0.8	0.196	0.000
	Motif409		211.38	0.75	0.239	0.006
	Motif345		205.31	0.8	0.152	0.001
			174.76	0.75	0.239	0.008

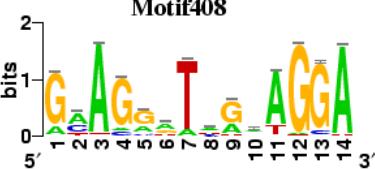
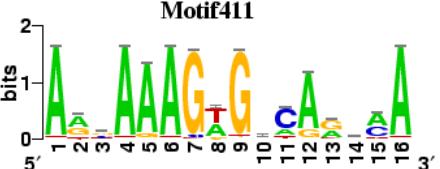
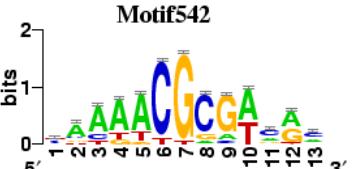
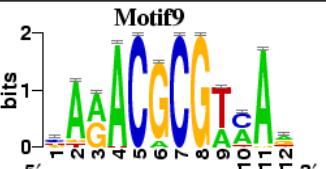
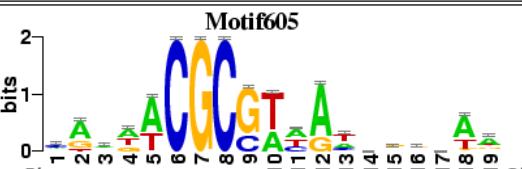
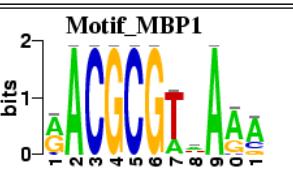
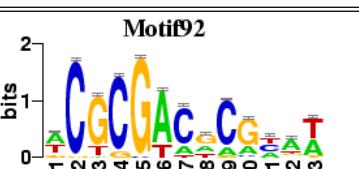
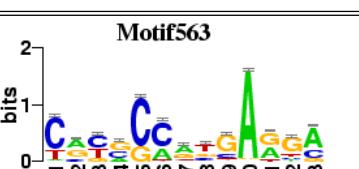
	Motif126			
	Motif378		112.47	0.8 0.239 0.014
22	Motif225		175.11	0.8 0.205 0.005
	Motif233		48.38	0.95 0.045 0.000
	Motif_ACE2		15.48	0.7 0.136 0.024
	Motif298		14.83	0.9 0.045 0.001
	Motif360		14.83	0.95 0.045 0.001
	Motif321		290.46	0.75 0.222 0.002
			106.99	0.9 0.156 0.005

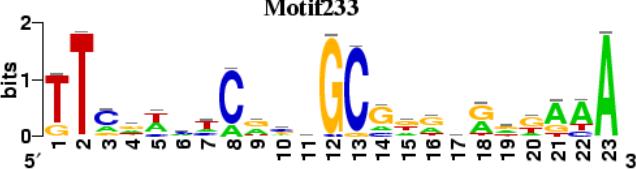
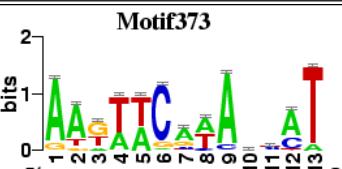
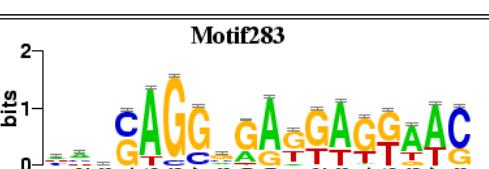
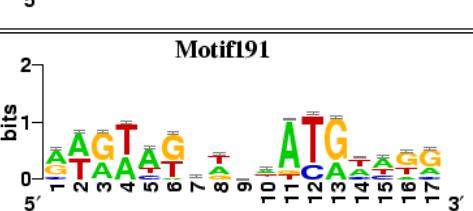
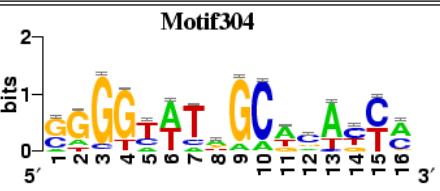
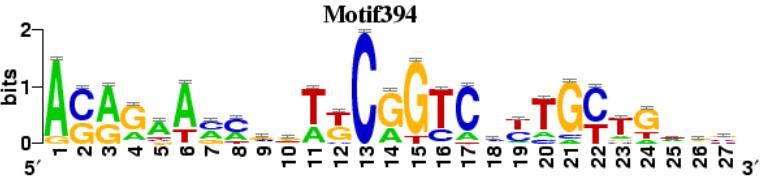
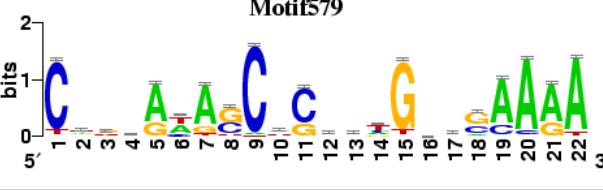
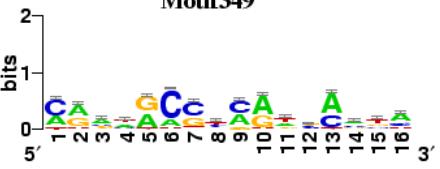
	Motif352			
23				
	Motif184			
		61.71	0.95	0.067
	Motif152			
		47.23	0.85	0.044
	Motif603			
		47.23	0.95	0.044
	Motif464			
		426.53	0.6	0.279
	Motif341			
		374.13	0.8	0.326
24	Motif618			
		370.82	0.65	0.279
	Motif643			
		347.89	0.8	0.279
		333.01	0.6	0.302
		0.005		

		Motif445		
				
	Motif21			
			155.70	0.9
	0.143	0.002		
	Motif629			
			101.75	0.95
25	0.071	0.000		
	Motif PAC			
				82.15
	0.6	0.619	0.128	
	Motif1			
				67.03
	0.5	0.548	0.117	
	Motif6			
				57.05
	0.55	0.500	0.111	
	Motif240			
				223.46
	0.55	0.636	0.057	
26	Motif492			
				213.35
	0.75	0.295	0.010	
			135.78	0.85
			0.318	0.021

	Motif499				
	Motif_PAC		89.18	0.75	0.545
	Motif6		84.77	0.7	0.386
	Motif592		391.78	0.75	0.227
	Motif659		343.59	0.8	0.205
27	Motif330		297.66	0.8	0.227
	Motif645		297.66	0.8	0.227
	Motif502		254.07	0.75	0.205
			643.00	0.85	0.659
					0.015

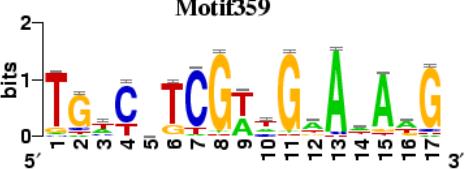
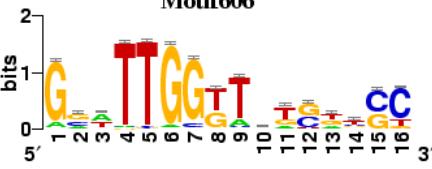
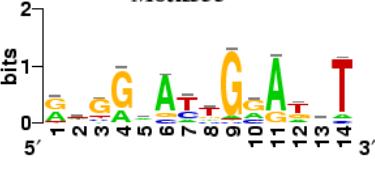
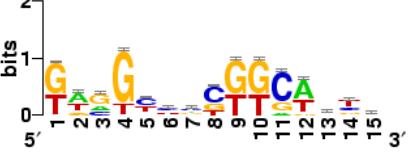
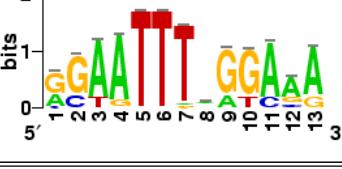
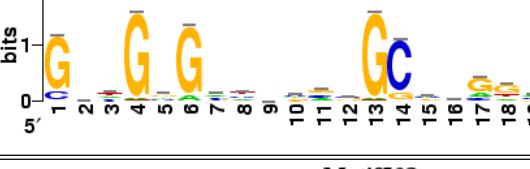
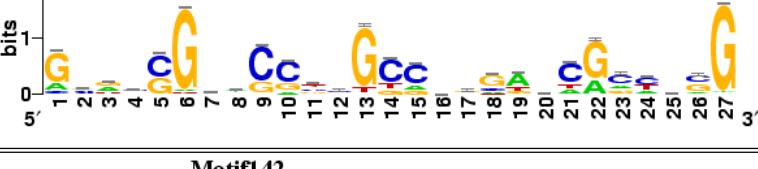
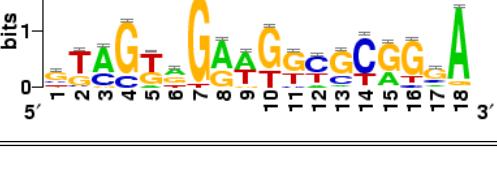
	Motif7				
					
	Motif_RPN4				
		448.87	0.8	0.568	0.018
28	Motif543				
28		356.20	0.6	0.341	0.006
	Motif482				
		297.66	0.75	0.227	0.002
	Motif516				
		233.90	0.8	0.182	0.002
	Motif577				
		252.59	0.75	0.195	0.002
29	Motif198				
29		228.47	0.9	0.195	0.002
	Motif434				
		203.40	0.8	0.244	0.006
		199.19	0.75	0.268	0.008

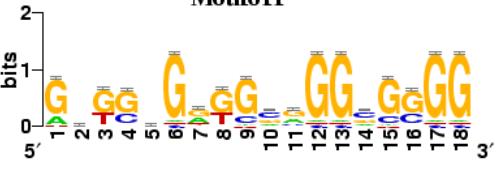
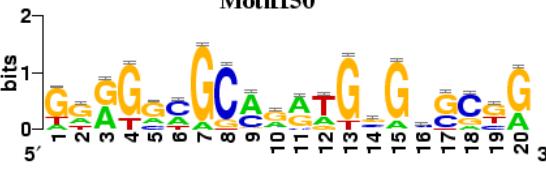
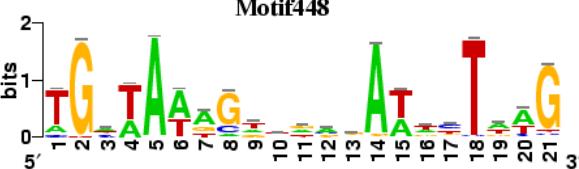
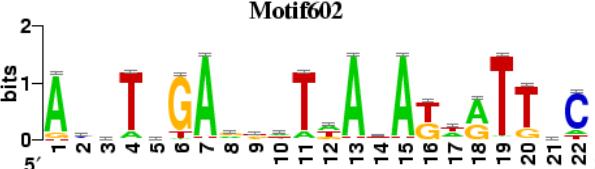
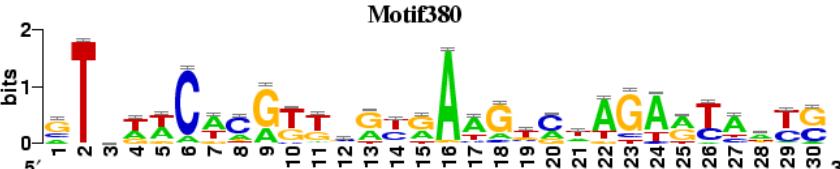
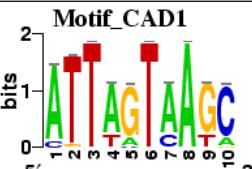
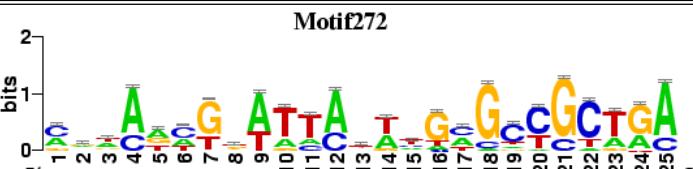
30	Motif408			
	Motif411		116.07	0.95
	Motif542		951.39	0.75
	Motif9		577.78	0.55
	Motif605		487.52	0.6
	Motif_MBP1		416.42	0.7
	Motif92		349.24	0.6
	Motif563		289.72	0.8
			241.83	0.7
			0.200	0.400
			0.001	0.016

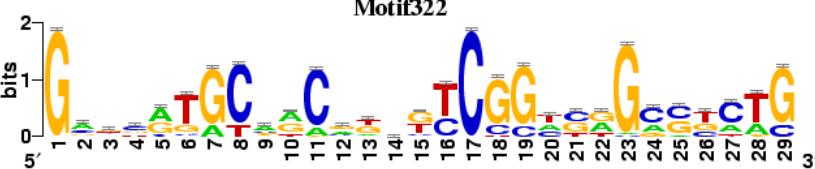
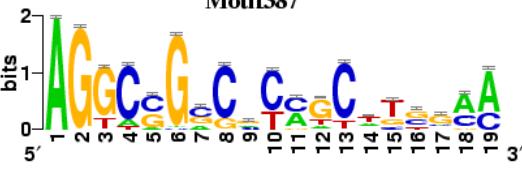
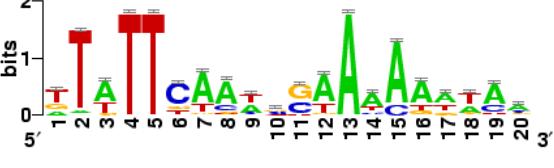
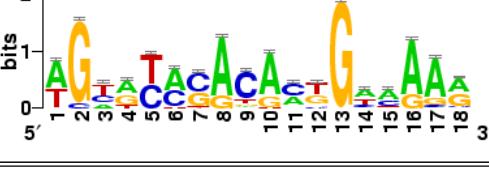
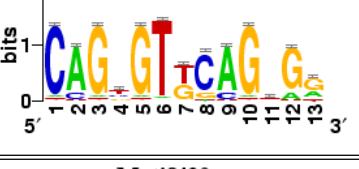
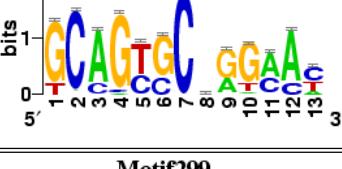
31	Motif233 	181.73 0.9 0.200 0.004		
	Motif373 			
	Motif283 	151.05 0.7 0.275 0.012		
	Motif191 	53.58 0.95 0.050 0.000		
	Motif304 	486.31 0.8 0.278 0.001		
	Motif394 	477.60 0.55 0.389 0.004		
32	Motif579 	338.58 0.7 0.333 0.005		
	Motif349 	324.81 0.9 0.222 0.001		
		291.08 0.8 0.222 0.002		

	Motif418					
	Motif315		517.33	0.65	0.294	0.001
33	Motif108		428.52	0.7	0.294	0.002
	Motif436		360.75	0.7	0.353	0.005
	Motif481		339.71	0.85	0.294	0.003
	Motif223		337.83	0.75	0.412	0.009
	Motif586		517.33	0.9	0.294	0.001
34	Motif535		468.88	0.9	0.294	0.001
			447.98	0.95	0.235	0.000

	Motif37					
	Motif386		390.42	0.9	0.235	0.001
	Motif587		390.42	0.95	0.235	0.001
	Motif666		484.35	0.75	0.303	0.001
	Motif460		468.67	0.8	0.273	0.001
35	Motif518		407.37	0.7	0.333	0.003
	Motif326		355.14	0.75	0.364	0.006
	Motif171		294.56	0.8	0.212	0.001
			372.73	0.8	0.344	0.004

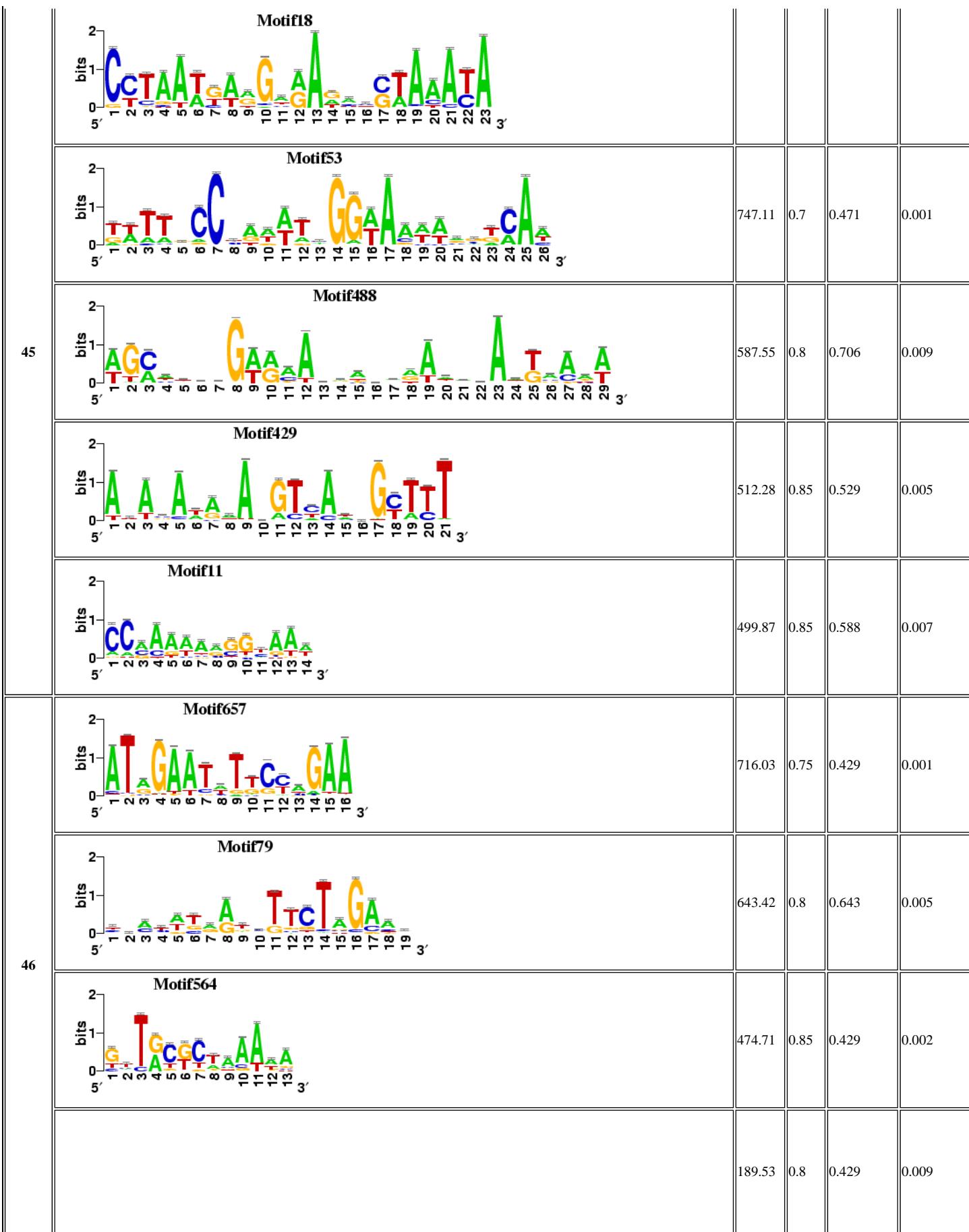
	Motif359			
36				
	Motif606			
		306.38	0.65	0.406
	Motif555			
		152.76	0.9	0.156
	Motif148			
		68.13	0.95	0.062
	Motif469			
		68.13	0.95	0.062
37	Motif309			
		607.97	0.6	0.346
	Motif538			
		427.91	0.9	0.231
	Motif142			
		416.16	0.7	0.308
		342.16	0.75	0.192
				0.000

	Motif611					
	Motif150		280.97	0.85	0.346	0.006
38	Motif432		683.29	0.8	0.407	0.001
	Motif448		659.74	0.75	0.444	0.002
	Motif602		583.38	0.75	0.407	0.002
	Motif380		546.93	0.55	0.556	0.008
	Motif_CAD1		523.62	0.9	0.333	0.001
	Motif272		78.77	0.95	0.071	0.000
			38.41	0.95	0.071	0.001

		Motif322		
				
39	Motif387		38.41	0.9 0.071 0.001
				
	Motif389		38.41	0.95 0.071 0.001
				
	Motif487		38.41	0.95 0.071 0.001
				
	Motif199		472.78	0.75 0.360 0.002
				
	Motif478		370.79	0.8 0.240 0.001
				
40	Motif420		293.73	0.75 0.360 0.006
				
	Motif299		284.31	0.95 0.200 0.001
				
			267.78	0.85 0.160 0.000

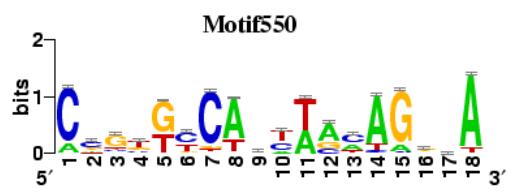
		Motif582						
41								
		Motif633			625.19	0.75	0.391	0.001
		Motif282			587.99	0.9	0.304	0.000
		Motif551			587.99	0.75	0.304	0.000
42		Motif78			476.91	0.85	0.348	0.002
		Motif540			438.41	0.75	0.304	0.001
42	NA				NA	NA	NA	NA
43		Motif189			739.05	0.75	0.588	0.003
		Motif548			609.32	0.8	0.471	0.002
					571.66	0.95	0.353	0.001

	Motif534				
	Motif69				
		364.26	0.85	0.294	0.001
	Motif506				
		324.47	0.85	0.412	0.005
	Motif328				
		1933.86	0.7	0.882	0.000
	Motif617				
		1803.93	0.6	0.882	0.001
44	Motif125				
		1690.25	0.65	0.882	0.001
	Motif260				
		1665.59	0.85	0.824	0.001
	Motif455				
		1655.99	0.85	0.765	0.000
		940.07	0.5	0.765	0.005



	Motif_HSF1			
	Motif646			
		186.47	0.8	0.500
	Motif557			
		421.12	0.95	0.333
	Motif114			
		265.84	0.75	0.467
47	Motif511			
		221.83	0.9	0.467
	Motif320			
		175.22	0.85	0.267
	Motif276			
		113.71	0.6	0.467
	Motif114			
		392.76	0.9	0.333
		295.29	0.9	0.222
				0.000

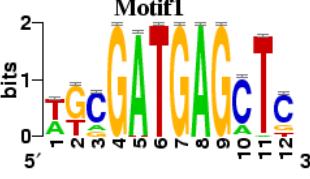
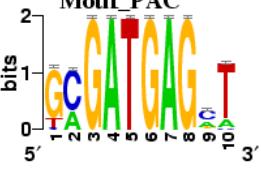
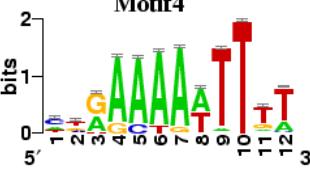
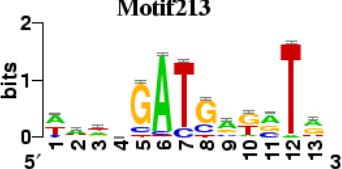
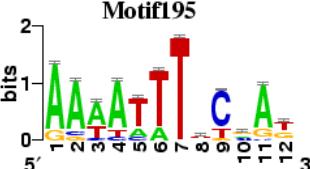
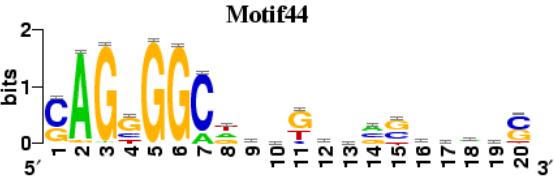
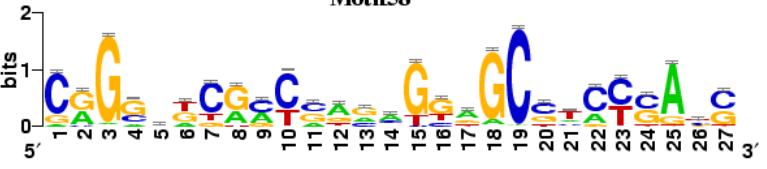
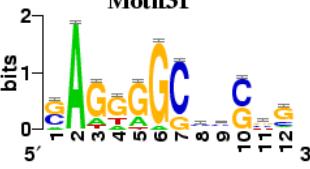
	Motif_AFT1			
48				
	Motif40			
48		293.71	0.9	0.333
	Motif511			
48		290.70	0.9	0.667
	Motif383			
48		233.19	0.7	0.667
	Motif206			
49		1379.99	0.85	0.636
	Motif241			
49		1379.99	0.7	0.636
	Motif220			
49		1149.44	0.9	0.545
	Motif364			
49		749.08	0.8	0.636
		715.68	0.9	0.545
				0.002



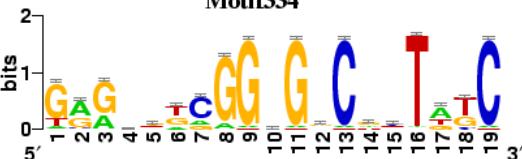
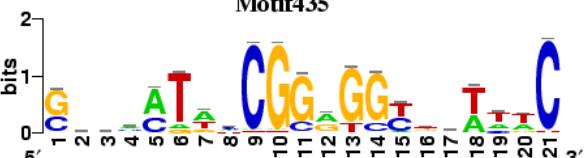
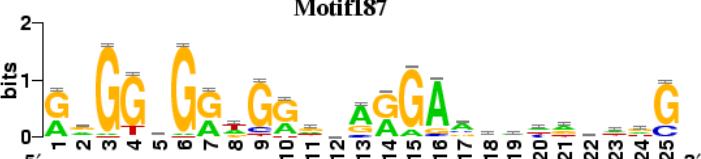
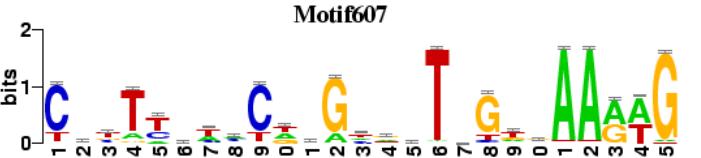
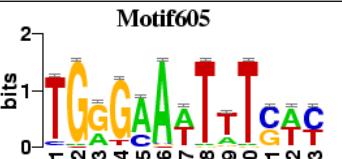
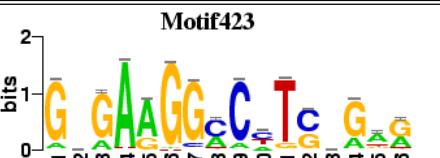
CV03:

Cluster	Motif	Chi-square statistic	Score cutoff	Posterior probability within cluster	Posterior probability outside cluster
1	Motif2	684.70	0.5	0.624	0.024
	Motif_RAP1	442.99	0.8	0.545	0.035
	Motif402	385.28	0.5	0.317	0.009
	Motif98	266.87	0.5	0.257	0.010
	Motif146	261.26	0.6	0.317	0.019
	Motif206	293.00	0.75	0.239	0.006
	Motif326	262.89	0.65	0.185	0.003

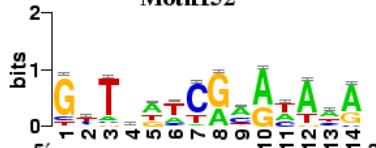
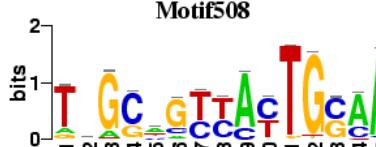
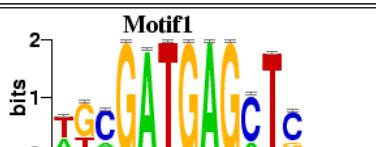
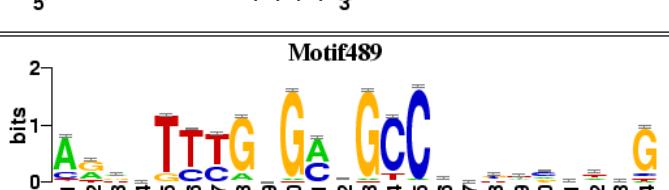
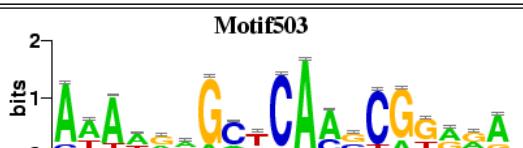
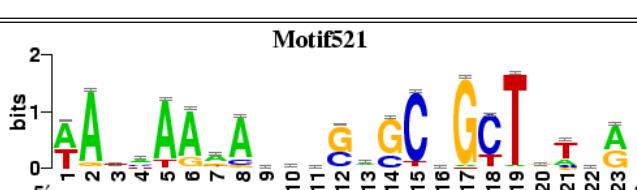
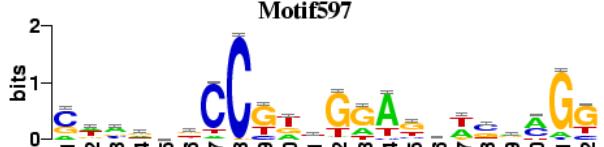
	Motif592		262.89	0.85	0.185	0.003
2	Motif560		235.06	0.75	0.163	0.003
	Motif454		224.04	0.8	0.141	0.002
	Motif552		173.79	0.75	0.182	0.007
	Motif649		123.81	0.75	0.193	0.014
3	Motif500		106.42	0.85	0.125	0.006
	Motif188		98.06	0.7	0.148	0.010
	Motif240		94.37	0.55	0.295	0.046
			401.01	0.5	0.744	0.075

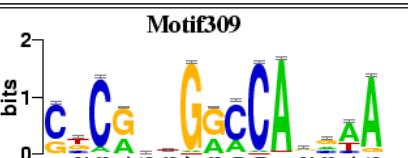
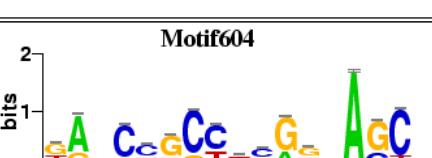
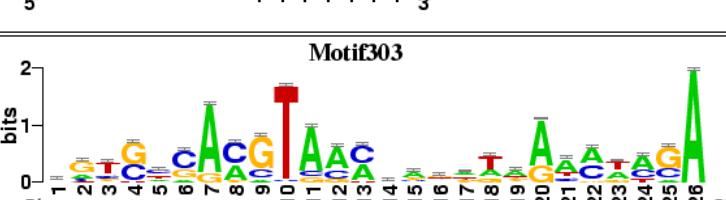
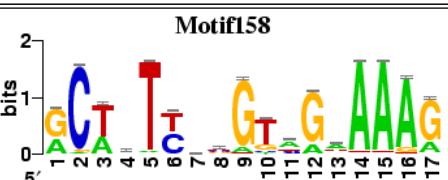
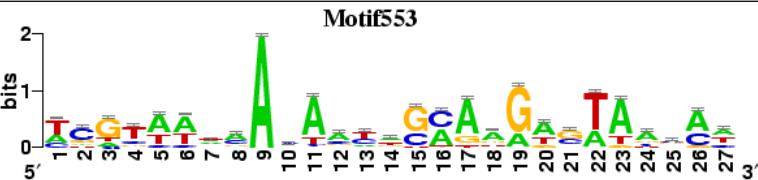
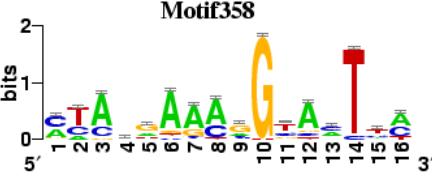
				
4		351.63	0.75	0.733
		243.95	0.75	0.779
		151.13	0.7	0.674
		148.09	0.7	0.674
5		321.11	0.75	0.243
		267.86	0.5	0.271
		265.84	0.75	0.400
		245.14	0.5	0.257
				0.008

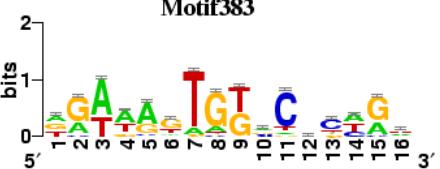
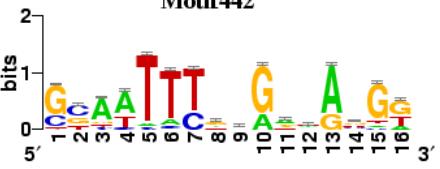
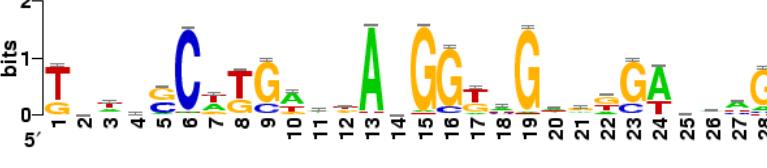
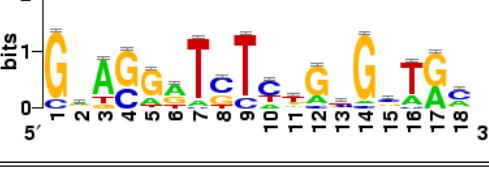
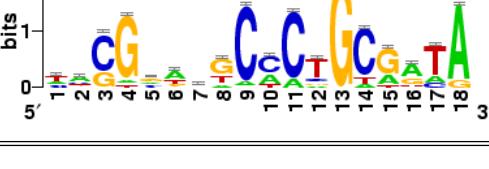
	Motif83				
	Motif38		222.94	0.85	0.157
6	Motif244		152.64	0.8	0.232
	Motif600		78.88	0.85	0.087
	Motif224		29.87	0.95	0.029
	Motif301		29.87	0.95	0.029
	Motif420		29.87	0.95	0.029
	Motif362		356.02	0.65	0.235
			259.10	0.7	0.176
					0.002

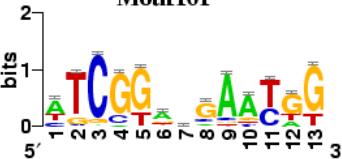
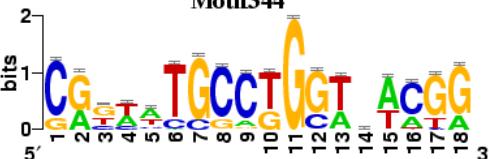
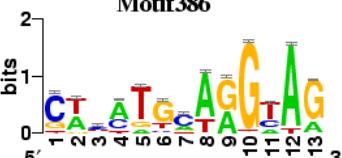
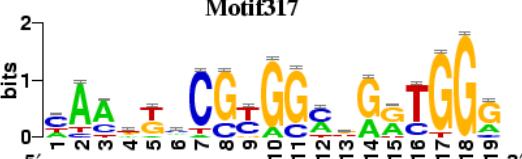
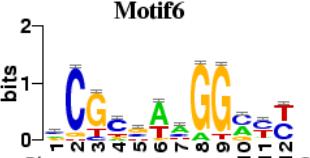
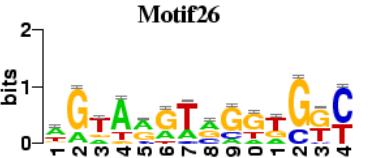
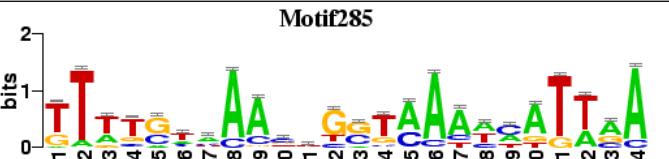
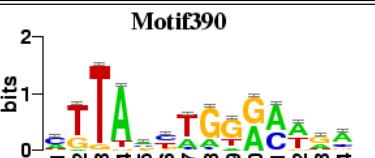
	Motif445			
7				
	Motif334			
		240.48	0.7	0.176
	Motif435			
		240.48	0.75	0.176
	Motif187			
		233.06	0.7	0.235
	Motif374			
		215.52	0.8	0.258
	Motif607			
8		201.71	0.75	0.212
	Motif605			
		186.71	0.8	0.197
	Motif423			
		175.89	0.85	0.152
		159.79	0.9	0.106
				0.001

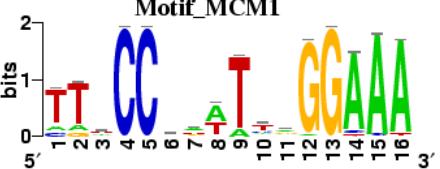
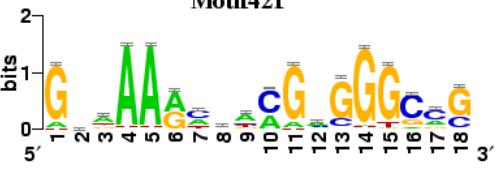
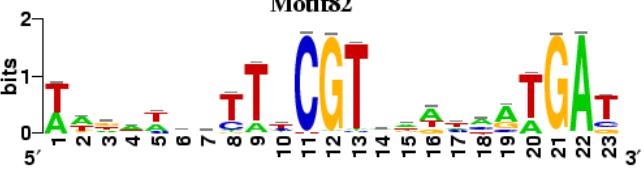
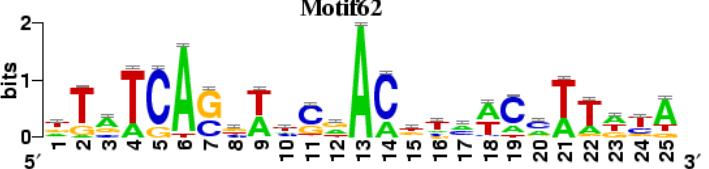
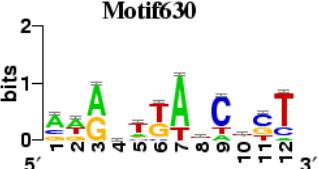
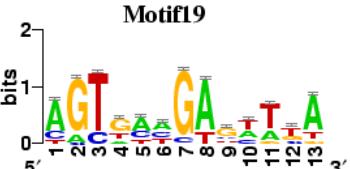
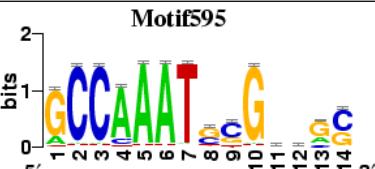
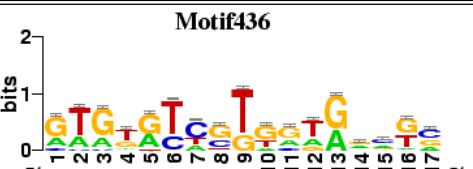
	Motif282				
	Motif347		277.03	0.75	0.177 0.001
9	Motif392		248.06	0.6	0.194 0.003
	Motif348		215.44	0.7	0.258 0.009
	Motif480		211.92	0.8	0.145 0.001
	Motif650		205.75	0.8	0.194 0.004
10	Motif573		204.90	0.75	0.232 0.007
	Motif_PAC		161.92	0.65	0.696 0.115
			147.30	0.85	0.143 0.003

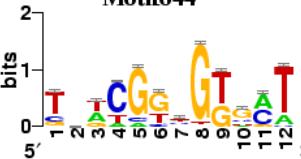
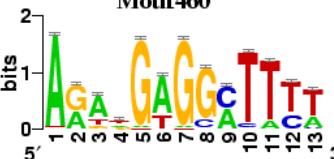
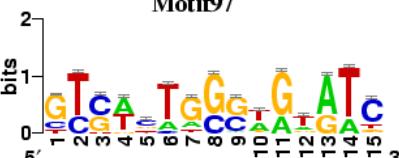
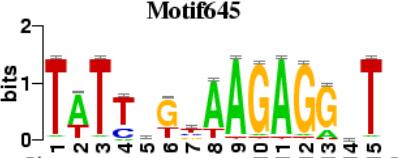
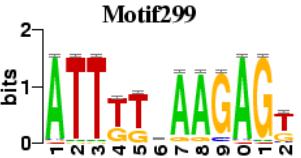
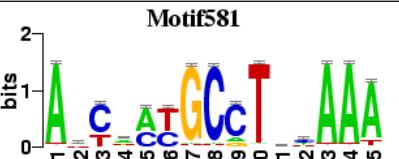
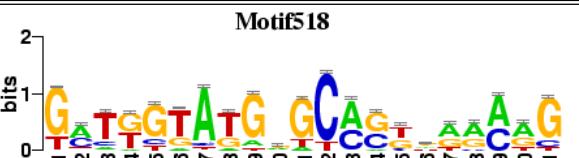
	Motif152					
	Motif508		134.97	0.8	0.143	0.003
	Motif1		131.21	0.6	0.500	0.070
	Motif284		377.52	0.9	0.213	0.001
	Motif489		377.52	0.8	0.213	0.001
11	Motif503		327.02	0.75	0.279	0.005
	Motif521		281.28	0.7	0.230	0.004
	Motif597		273.33	0.9	0.148	0.000
			367.52	0.75	0.250	0.002

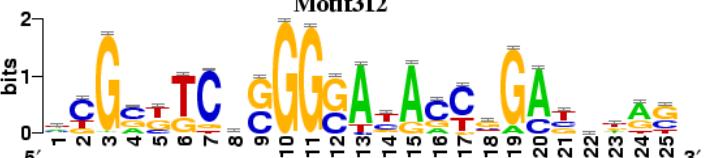
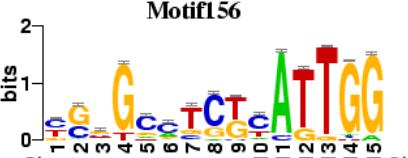
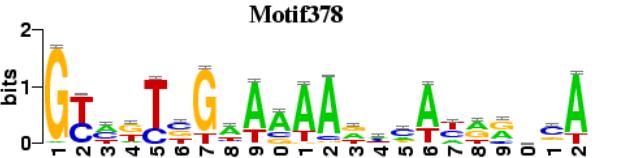
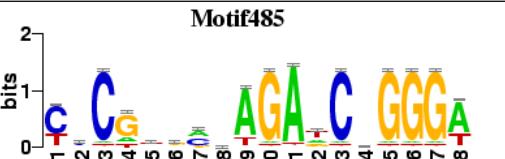
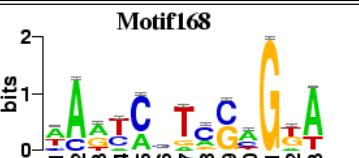
		Motif398				
						
12		Motif325		262.36	0.7	0.196 0.002
						
	12	Motif309		253.66	0.7	0.250 0.006
						
		Motif604		228.20	0.75	0.179 0.002
						
	13	Motif303		203.03	0.65	0.321 0.016
						
		Motif158		187.43	0.7	0.246 0.009
						
13		Motif553		109.90	0.95	0.070 0.000
						
	13	Motif358		36.60	0.95	0.035 0.000
						
				36.60	0.95	0.035 0.000

14	Motif383					
	Motif442		36.60	0.95	0.035	0.000
	Motif295		411.68	0.65	0.246	0.001
	Motif433		339.25	0.65	0.211	0.001
	Motif243		295.95	0.85	0.175	0.001
	Motif169		266.35	0.6	0.263	0.006
	Motif259		254.07	0.65	0.281	0.008
	Motif353		330.53	0.75	0.245	0.003
			315.25	0.7	0.358	0.011

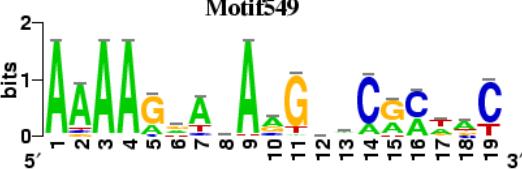
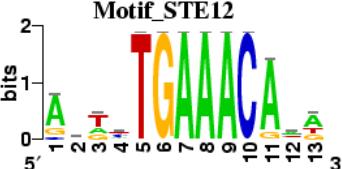
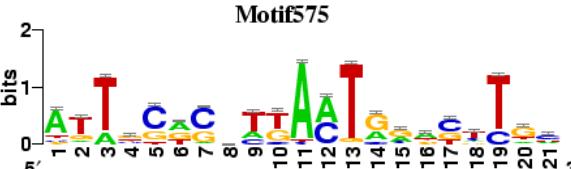
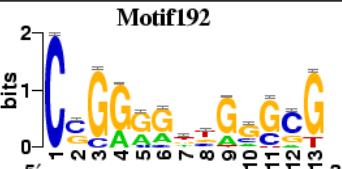
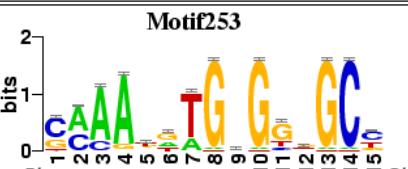
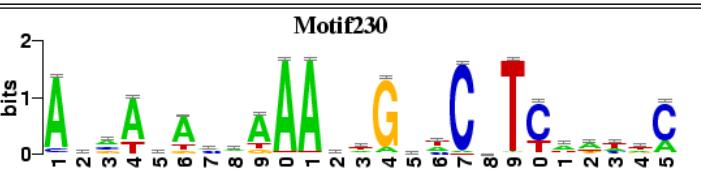
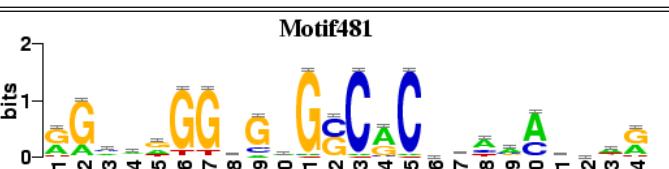
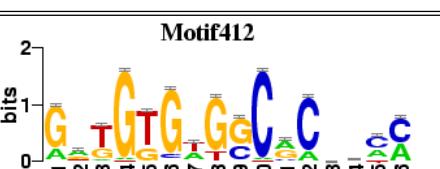
	Motif101					
15	Motif344		306.72	0.55	0.396	0.015
	Motif386		263.55	0.8	0.245	0.005
	Motif317		238.38	0.65	0.283	0.009
	Motif6		70.88	0.9	0.089	0.002
	Motif26		37.30	0.95	0.036	0.000
16	Motif285		37.30	0.9	0.036	0.000
	Motif390		37.30	0.95	0.036	0.000
			37.30	0.95	0.036	0.000

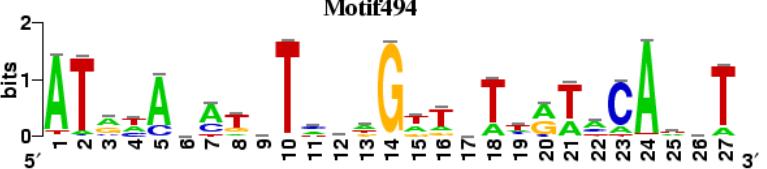
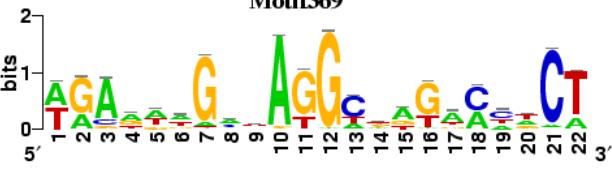
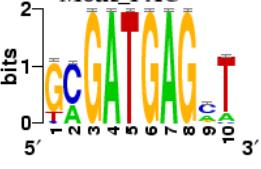
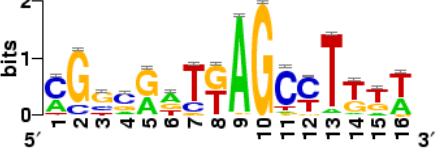
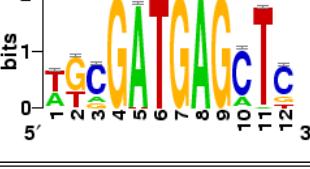
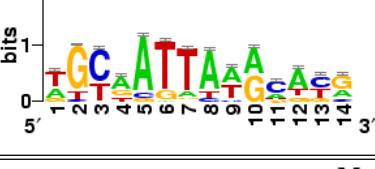
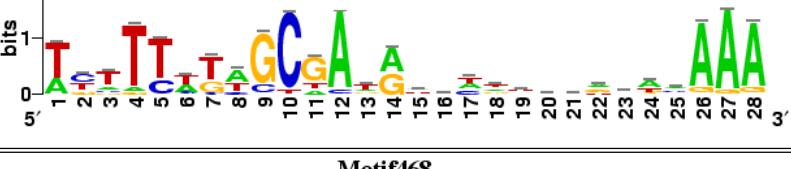
					
17	Motif421		132.34	0.7	0.151
	Motif82		122.20	0.6	0.415
	Motif62		118.45	0.5	0.302
	Motif630		87.62	0.95	0.075
	Motif19		72.43	0.75	0.302
18	Motif595		211.51	0.75	0.188
	Motif436		160.21	0.8	0.167
			137.15	0.85	0.167
					0.004

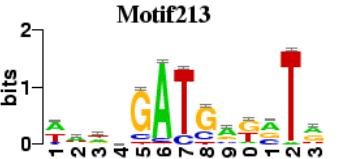
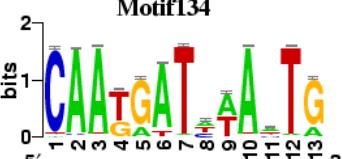
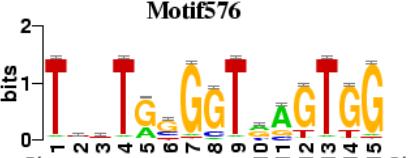
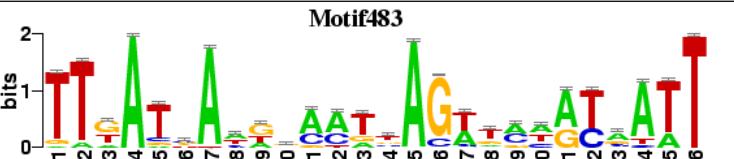
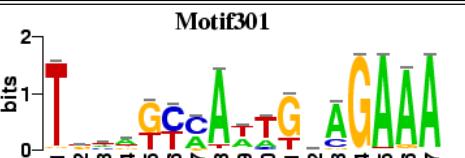
	Motif644				
					
	Motif460				
		136.76	0.75	0.271	0.015
	Motif97				
		123.11	0.75	0.271	0.017
	Motif651				
		369.26	0.75	0.245	0.002
	Motif645				
		215.41	0.8	0.122	0.000
19	Motif299				
		207.01	0.85	0.224	0.005
	Motif581				
		187.39	0.8	0.163	0.002
	Motif518				
		127.81	0.5	0.245	0.013
		508.46	0.85	0.261	0.000

	Motif218			
				
	Motif133			
		489.05	0.6	0.348
20	Motif312			
20		392.60	0.5	0.391
	Motif126			
		323.53	0.5	0.435
	Motif156			
		322.18	0.65	0.261
	Motif378			
		292.48	0.85	0.196
21	Motif485			
21		235.54	0.75	0.152
	Motif168			
		184.27	0.95	0.109
		183.02	0.85	0.174
				0.003

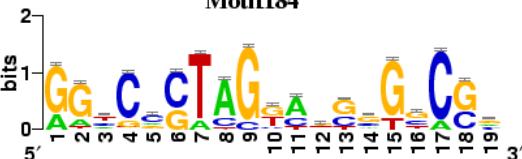
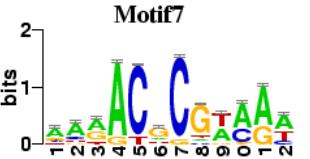
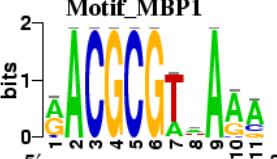
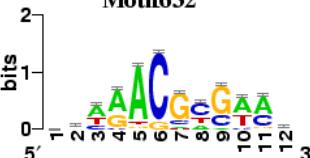
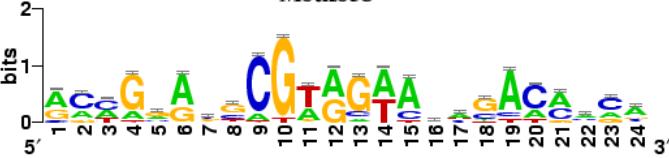
	Motif298				
	Motif410		140.50	0.8	0.130
	Motif565		135.58	0.7	0.341
22	Motif139		63.05	0.95	0.068
	Motif186		48.24	0.95	0.045
	Motif293		48.24	0.95	0.045
	Motif612		46.06	0.8	0.114
	Motif540		299.50	0.7	0.200
			123.22	0.85	0.111
					0.001

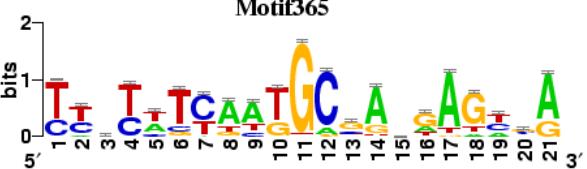
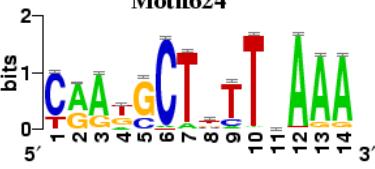
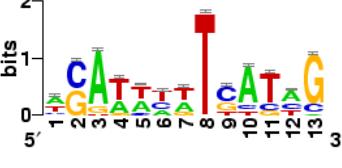
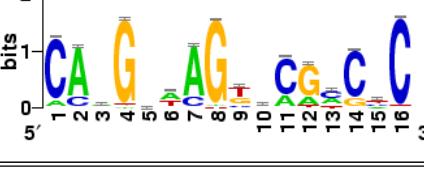
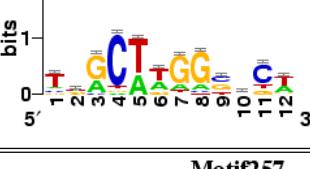
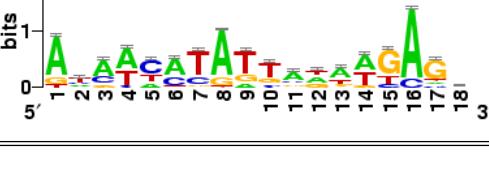
	Motif549			
23				
	Motif_STE12		61.52	0.95
			0.067	0.001
	Motif575		24.07	0.75
			0.111	0.011
	Motif192		22.57	0.9
			0.044	0.001
	Motif253		521.11	0.8
			0.326	0.002
	Motif230		434.74	0.75
			0.349	0.004
24	Motif481		400.40	0.85
			0.233	0.001
	Motif412		390.76	0.75
			0.302	0.003
			379.78	0.65
			0.349	0.006

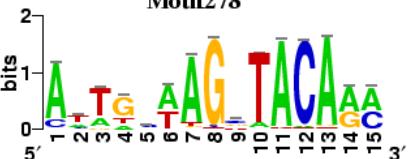
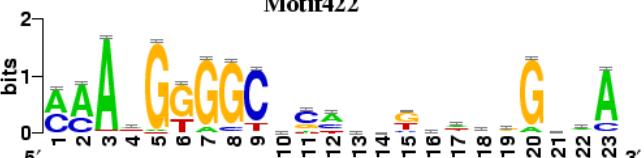
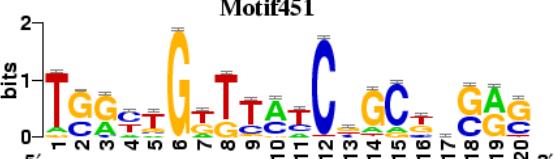
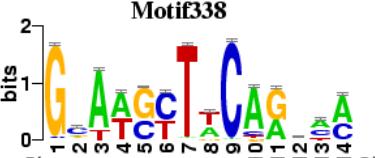
					
			340.74	0.7	0.310
			106.92	0.6	0.690
25			105.19	0.7	0.262
			53.87	0.5	0.452
			50.70	0.9	0.048
			238.94	0.7	0.267
26			237.06	0.7	0.311
			141.41	0.95	0.089
					0.000

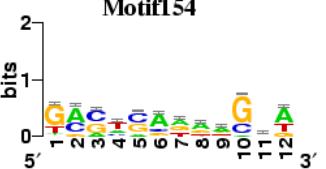
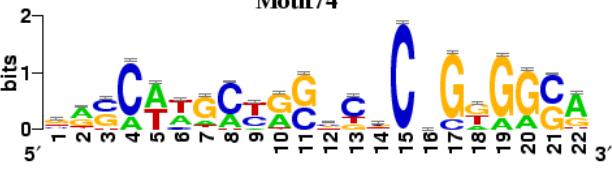
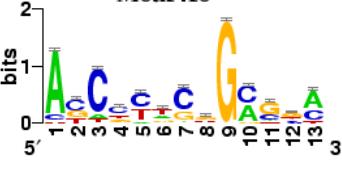
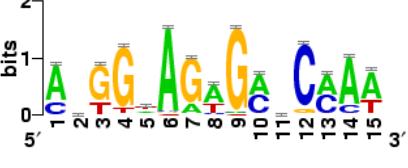
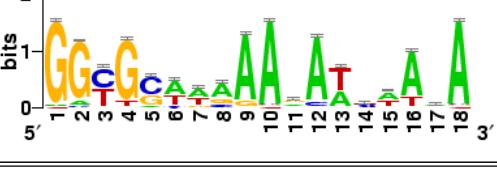
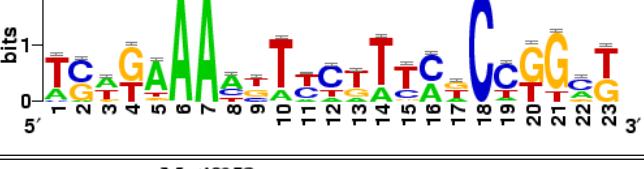
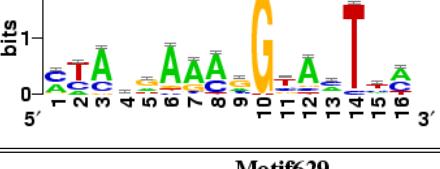
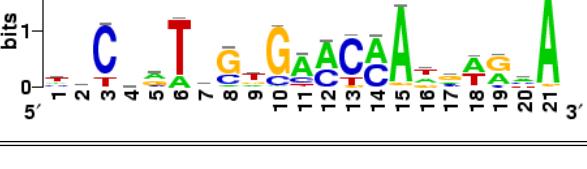
	Motif45					
	Motif251		107.44	0.85	0.178	0.007
	Motif213		97.60	0.75	0.622	0.118
	Motif134		227.66	0.8	0.244	0.005
	Motif576		227.56	0.8	0.178	0.002
27	Motif395		217.67	0.85	0.222	0.004
	Motif483		216.11	0.5	0.422	0.024
	Motif301		215.98	0.8	0.244	0.006
			477.17	0.7	0.545	0.015

	Motif8			
	Motif_RPN4			
		356.81	0.8	0.500
	Motif616			
28		174.58	0.75	0.205
	Motif333			
		110.36	0.85	0.273
	Motif469			
		96.52	0.95	0.068
	Motif634			
		417.62	0.7	0.220
	Motif274			
29		192.37	0.75	0.244
	Motif551			
		159.39	0.9	0.146
		140.65	0.8	0.146
				0.002

	Motif498				
	Motif184		50.12	0.95	0.073
30	Motif7		834.11	0.9	0.512
	Motif_MBP1		506.13	0.9	0.366
	Motif632		455.59	0.85	0.829
	Motif658		369.61	0.9	0.220
	Motif557		365.24	0.8	0.195
	Motif220		378.26	0.85	0.275
			234.03	0.85	0.200
			0.002		

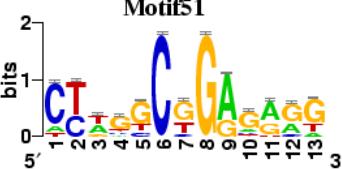
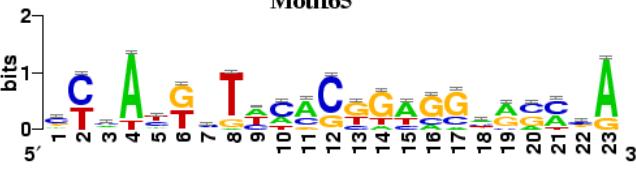
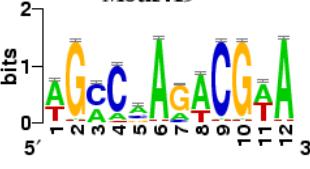
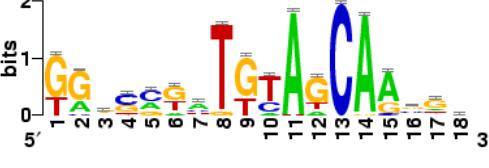
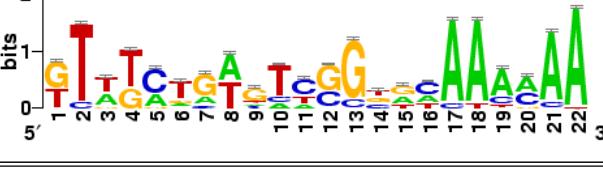
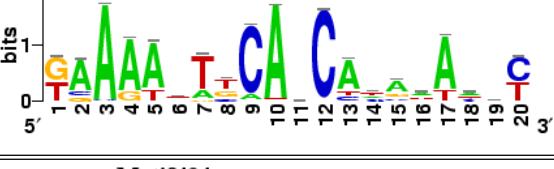
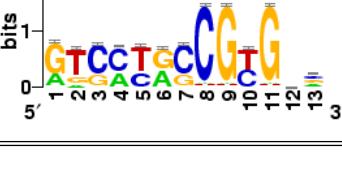
	Motif365					
31						
	Motif624					
		220.57	0.75	0.300	0.009	
31	Motif555					
			53.42	0.9	0.050	0.000
	Motif314					
			44.69	0.9	0.125	0.007
	Motif506					
			472.49	0.7	0.314	0.002
32	Motif534					
			438.44	0.75	0.257	0.001
32	Motif227					
			386.87	0.85	0.343	0.004
	Motif257					
			299.28	0.9	0.229	0.002
			299.20	0.8	0.257	0.003

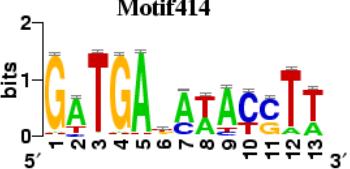
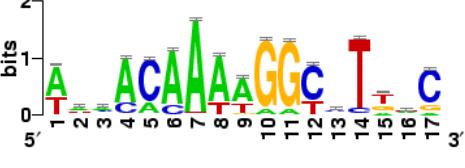
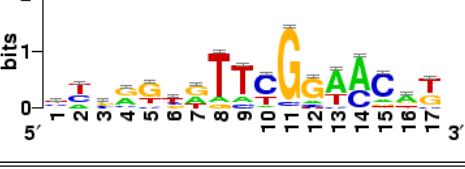
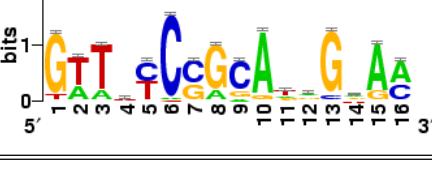
		Motif585				
						
		Motif278			461.30	0.8 0.242 0.000
						
		Motif422			461.30	0.85 0.242 0.000
	33					
	33	Motif451			327.20	0.65 0.303 0.004
	33					
	33	Motif338			325.98	0.8 0.424 0.010
	33					
	33	Motif545			263.22	0.95 0.152 0.000
		Motif639			225.25	0.85 0.206 0.002
	34	Motif371			220.68	0.5 0.441 0.020
	34				92.68	0.95 0.118 0.002

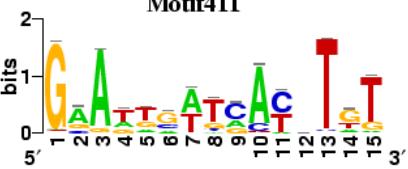
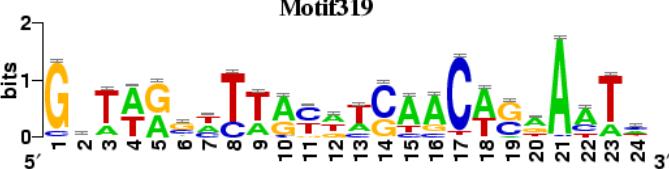
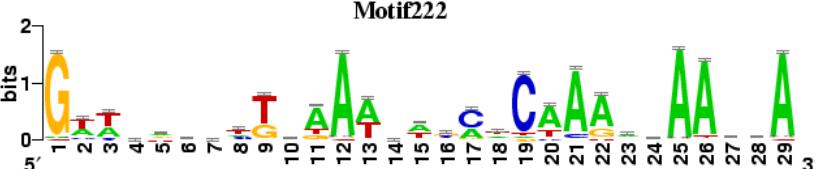
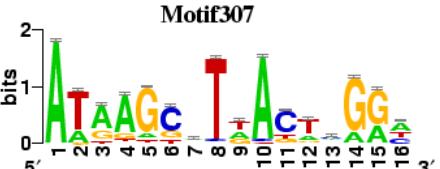
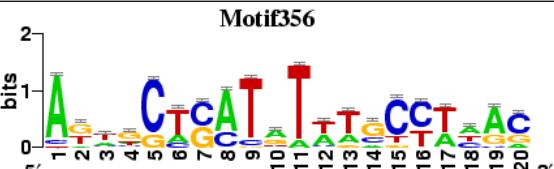
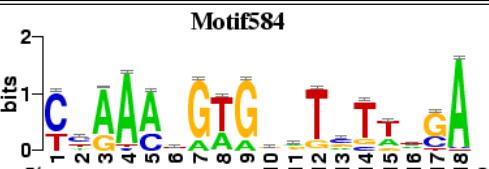
	Motif154				
	Motif74		63.62	0.9	0.059 0.000
	Motif416		63.62	0.95	0.059 0.000
	Motif601		412.84	0.8	0.364 0.004
	Motif619		350.03	0.8	0.303 0.003
35	Motif360		344.78	0.5	0.515 0.016
	Motif358		323.07	0.8	0.364 0.007
	Motif629		295.42	0.75	0.273 0.003
			211.13	0.85	0.129 0.000

	Motif476					
36	Motif657		71.16	0.8	0.323	0.029
	Motif194		70.31	0.85	0.065	0.000
	Motif246		70.31	0.95	0.065	0.000
	Motif644		37.48	0.9	0.097	0.003
37	Motif272		365.98	0.8	0.259	0.001
	Motif484		329.63	0.8	0.296	0.003
	Motif589		329.63	0.9	0.296	0.003
			327.35	0.8	0.185	0.000

	Motif308				
	Motif149		317.41	0.75	0.519
	Motif621		651.13	0.65	0.481
	Motif617		515.69	0.75	0.444
38	Motif310		506.95	0.75	0.407
	Motif238		506.59	0.7	0.370
	Motif406		500.48	0.85	0.296
	Motif646		132.93	0.75	0.259
			44.65	0.85	0.148
					0.006

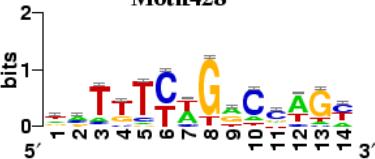
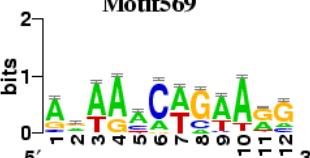
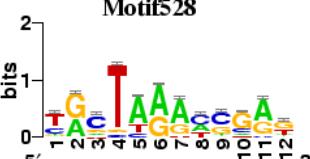
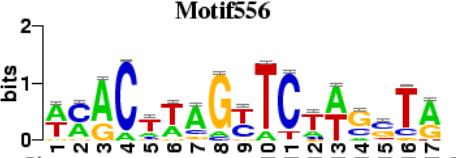
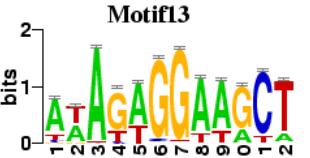
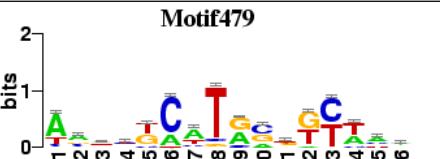
	Motif51			
39				
	Motif65			
		39.88	0.75	0.074
	Motif419			
		39.88	0.95	0.074
	Motif432			
		39.88	0.9	0.074
	Motif530			
		626.90	0.75	0.385
	Motif635			
		493.55	0.85	0.346
40	Motif434			
		437.55	0.9	0.269
	Motif415			
		415.56	0.85	0.346
		381.55	0.8	0.269
				0.001

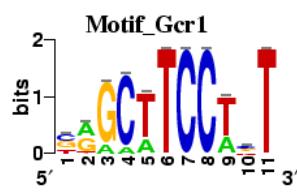
		Motif414				
41						
		Motif363		594.59	0.75	0.375
						0.001
		Motif261		493.30	0.9	0.375
						0.002
		Motif499		493.30	0.85	0.375
42						0.002
		Motif427		465.90	0.95	0.250
						0.000
43		Motif389		372.54	0.9	0.208
						0.000
	NA	Motif456		587.71	0.85	0.312
						0.000
		Motif229		566.77	0.75	0.750
				549.75	0.75	0.500
						0.003

	Motif382				
	Motif470		522.64	0.85	0.375
	Motif411		468.79	0.85	0.312
	Motif319		1806.86	0.65	0.938
	Motif222		1660.76	0.75	0.875
44	Motif307		1632.78	0.8	0.812
	Motif356		1485.44	0.7	0.750
	Motif584		1485.44	0.8	0.750
			499.66	0.65	0.688
					0.010

	Motif285			
45		482.57	0.7	0.688
	Motif14			0.010
		402.18	0.9	0.438
	Motif15			0.004
		336.31	0.85	0.500
	Motif496			0.007
		332.89	0.9	0.312
46	Motif455			
		604.60	0.65	0.857
	Motif32			0.012
		401.45	0.8	0.714
	Motif34			0.013
		283.28	0.6	0.857
	Motif23			0.030
		171.33	0.95	0.143
				0.000

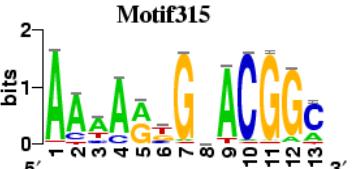
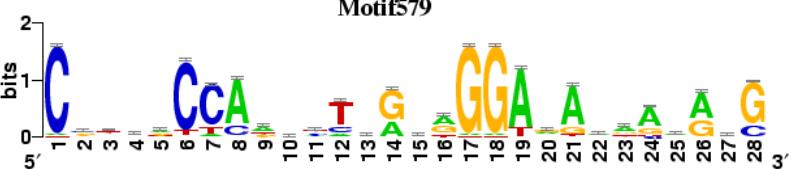
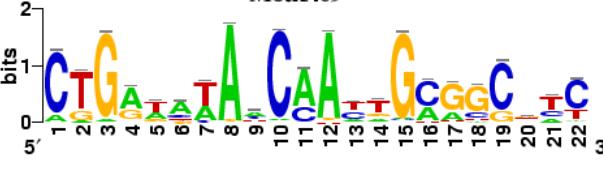
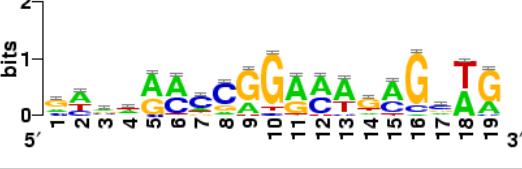
	Motif480				
	Motif504				
		171.33	0.95	0.143	0.000
47	Motif428				
		697.50	0.9	0.571	0.003
	Motif457				
		520.64	0.8	0.571	0.005
	Motif569				
		262.16	0.85	0.500	0.009
	Motif132				
		134.94	0.95	0.214	0.002
	Motif399				
		134.94	0.9	0.214	0.002
	Motif457				
		857.91	0.85	0.750	0.003
		455.33	0.9	0.625	0.004

	Motif428					
48						
	Motif290					
		273.07	0.65	0.375	0.002	
48	Motif569					
			235.01	0.85	0.625	0.010
	Motif528					
			204.83	0.8	0.750	0.018
	Motif556					
			953.88	0.8	0.545	0.001
	Motif13					
			687.00	0.95	0.364	0.000
49	Motif479					
			514.00	0.95	0.364	0.001
	Motif305					
			443.53	0.75	0.727	0.009
			369.44	0.85	0.636	0.008



CV04:

Cluster	Motif	Chi-square statistic	Score cutoff	Posterior probability within cluster	Posterior probability outside cluster
1	Motif535	703.98	0.55	0.634	0.024
	Motif3	685.59	0.55	0.713	0.036
	Motif160	552.18	0.6	0.723	0.053
	Motif_RAP1	471.27	0.8	0.535	0.030
	Motif191	303.04	0.5	0.455	0.038
	Motif433	177.53	0.7	0.109	0.001
	Motif514	159.84	0.75	0.109	0.002

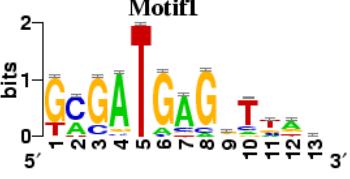
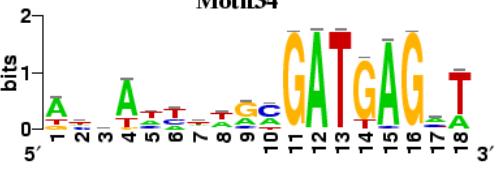
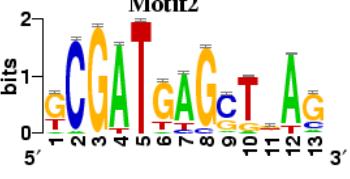
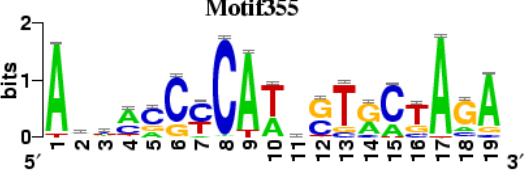
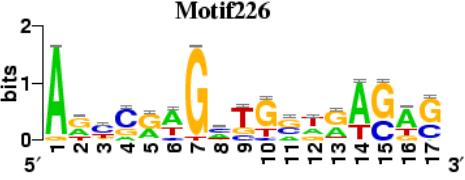
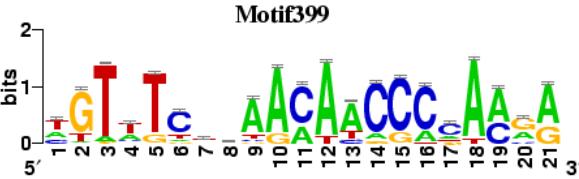
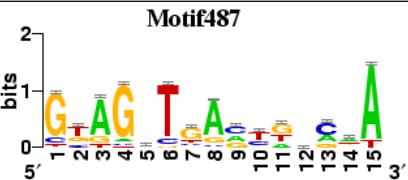
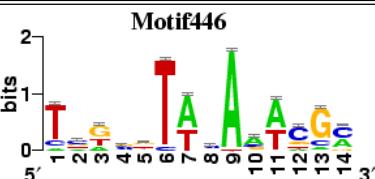
		Motif613				
2			159.84	0.75	0.109	0.002
		Motif639				
2			154.76	0.75	0.087	0.001
		Motif315				
2			150.39	0.8	0.130	0.004
		Motif579				
3			282.38	0.7	0.161	0.001
		Motif416				
3			221.35	0.8	0.149	0.002
		Motif409				
3			192.70	0.7	0.126	0.002
		Motif373				
3			165.26	0.7	0.103	0.001
		Motif91				
3			151.23	0.65	0.184	0.009
			353.11	0.5	0.709	0.078

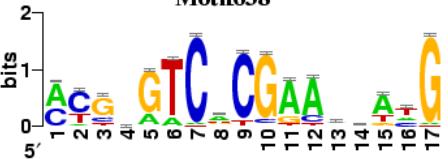
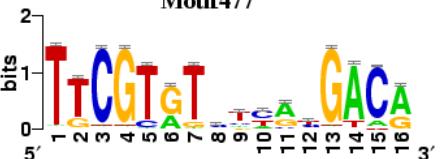
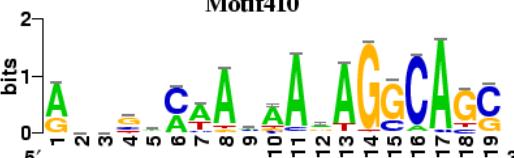
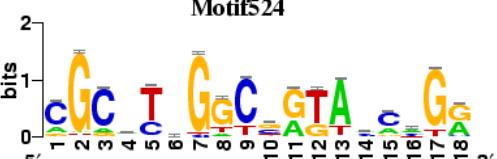
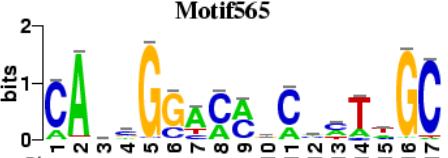
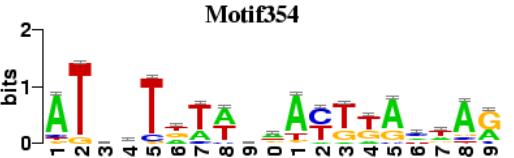
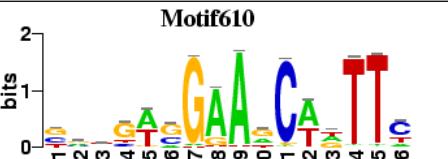
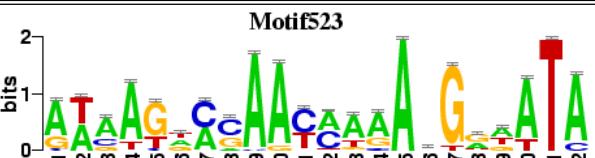
	Motif2			
4		308.77	0.75	0.698
	Motif_PAC			0.087
	Motif41	283.76	0.7	0.477
	Motif1	280.34	0.7	0.640
	Motif175	202.08	0.8	0.465
	Motif38	339.41	0.75	0.261
5	Motif70	298.78	0.65	0.246
	Motif272	287.85	0.7	0.217
		255.80	0.6	0.174
				0.002

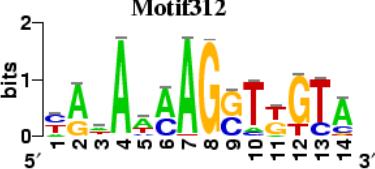
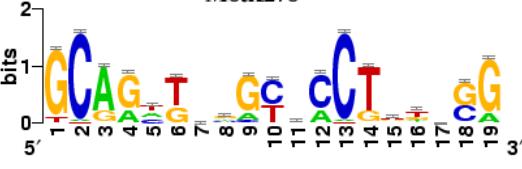
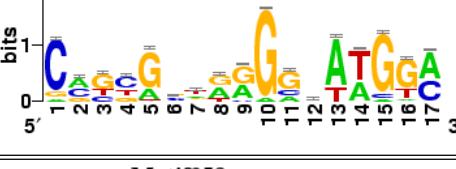
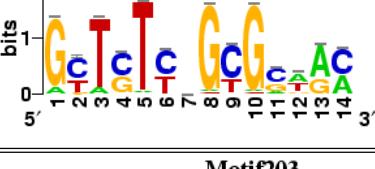
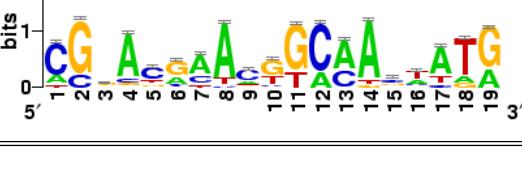
	Motif28					
	Motif69		216.64	0.5	0.333	0.020
6	Motif630		156.40	0.75	0.157	0.004
	Motif366		128.89	0.7	0.129	0.003
	Motif426		113.15	0.8	0.200	0.013
	Motif4		42.13	0.5	0.814	0.970
	Motif161		38.05	0.85	0.043	0.001
	Motif324		290.88	0.7	0.250	0.005
			260.50	0.65	0.279	0.009

	Motif358			
7				
	Motif217			
		250.35	0.65	0.206
	Motif442			
		223.76	0.65	0.191
	Motif162			
		210.47	0.65	0.176
	Motif296			
		220.48	0.8	0.121
	Motif615			
		220.48	0.85	0.121
8	Motif624			
		220.03	0.75	0.167
	Motif357			
		208.62	0.7	0.152
		204.32	0.85	0.182
				0.004

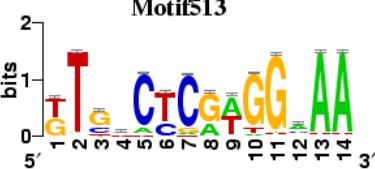
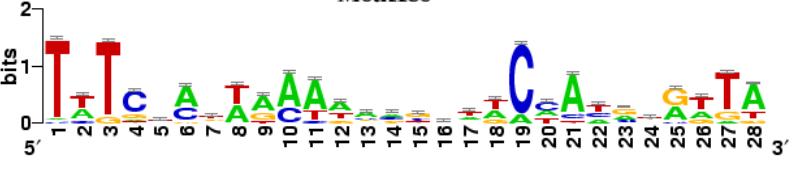
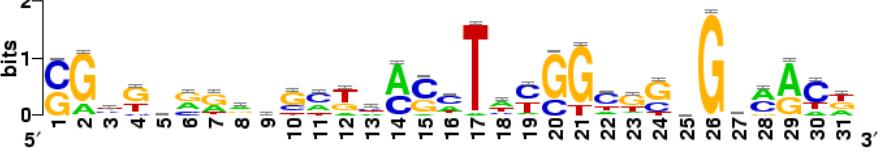
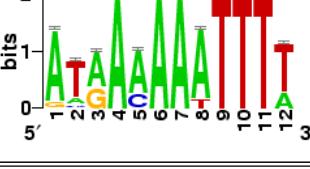
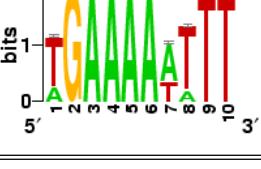
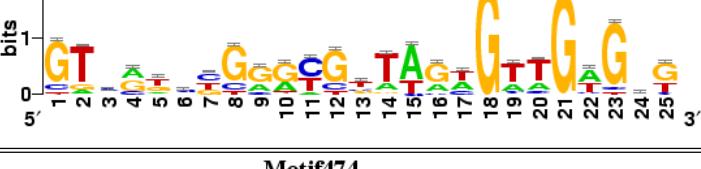
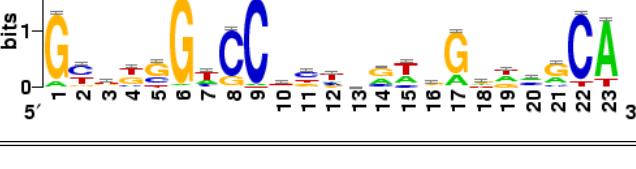
	Motif444				
9	Motif464	266.66	0.75	0.159	0.001
	Motif285	244.50	0.8	0.190	0.003
9	Motif114	218.22	0.7	0.206	0.005
	Motif526	177.25	0.8	0.127	0.001
	Motif115	165.77	0.9	0.175	0.005
10	Motif543	304.19	0.9	0.193	0.001
	Motif_PAC	186.58	0.8	0.632	0.083
10		155.86	0.65	0.667	0.110

				
		109.30	0.5	0.632
		100.53	0.5	0.509
		329.36	0.65	0.246
		267.61	0.75	0.230
11		244.37	0.7	0.279
		239.76	0.95	0.180
		239.76	0.9	0.131
		316.07	0.75	0.255
				0.004

	Motif638			
12		241.90	0.75	0.164
	Motif477			
		200.12	0.75	0.182
	Motif410			
		186.59	0.7	0.182
	Motif524			
		174.66	0.7	0.182
	Motif565			
		228.43	0.85	0.155
13	Motif354			
		120.37	0.75	0.155
	Motif610			
		36.04	0.95	0.034
	Motif523			
		19.51	0.5	0.414
				0.179

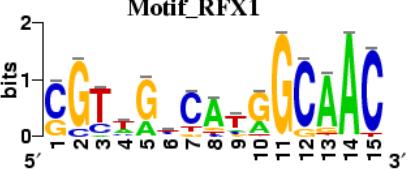
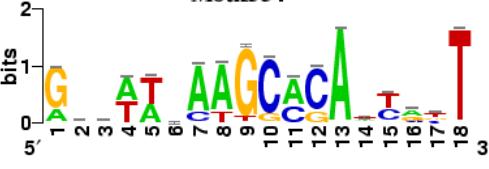
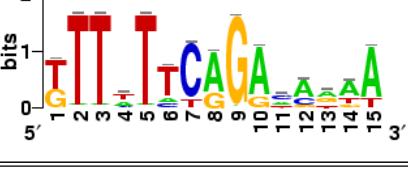
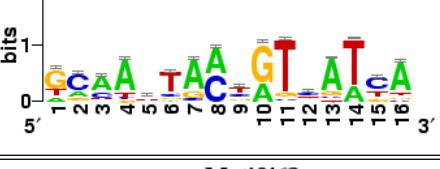
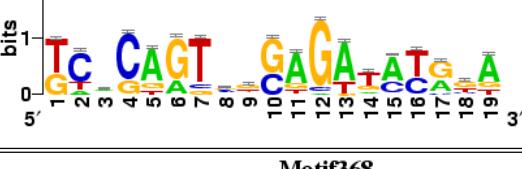
	Motif312			
				
	Motif16			
		18.73	0.5	0.103
14	Motif276			
		333.96	0.7	0.207
	Motif109			
		316.08	0.75	0.276
	Motif656			
		291.35	0.6	0.172
	Motif220			
		279.44	0.8	0.276
	Motif359			
		267.62	0.75	0.207
	Motif203			
		455.92	0.7	0.283
		401.39	0.65	0.340
				0.006

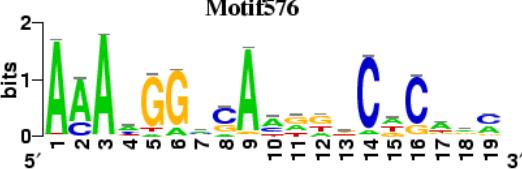
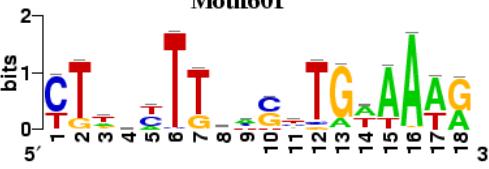
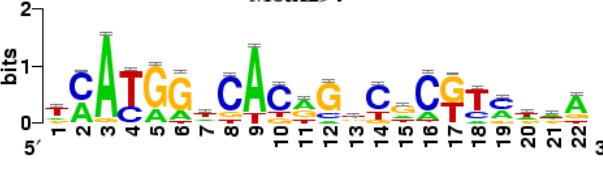
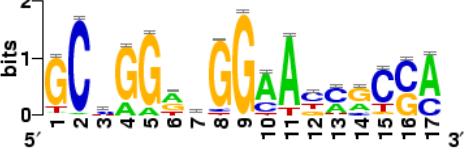
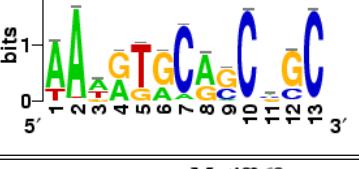
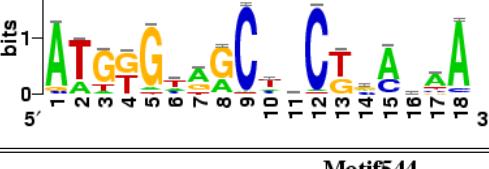
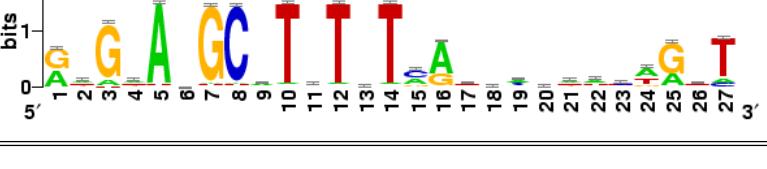
	Motif440				
15					
	Motif453				
		358.38	0.85	0.189	0.000
15	Motif350				
		353.58	0.75	0.245	0.002
	Motif66				
		344.01	0.8	0.453	0.018
	Motif393				
		293.71	0.85	0.232	0.003
16	Motif603				
		273.51	0.75	0.179	0.001
16	Motif629				
		214.33	0.8	0.161	0.002
	Motif659				
		196.18	0.6	0.179	0.003
		151.45	0.75	0.179	0.005

17	Motif513					
	Motif151		171.86	0.7	0.358	0.025
	Motif186		94.21	0.5	0.547	0.107
	Motif167		79.37	0.9	0.057	0.000
	Motif5		65.49	0.6	0.566	0.149
	Motif_RRPE		57.78	0.8	0.585	0.172
18	Motif448		398.49	0.75	0.340	0.005
	Motif474		286.62	0.8	0.191	0.001
			230.84	0.7	0.149	0.001

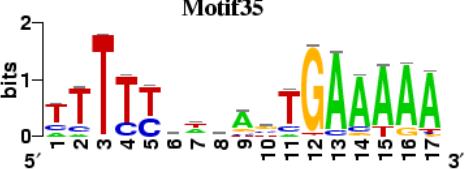
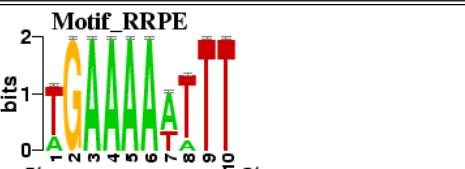
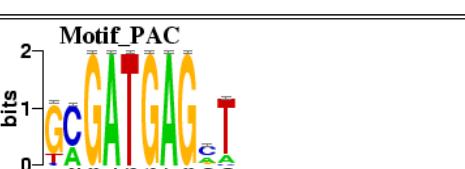
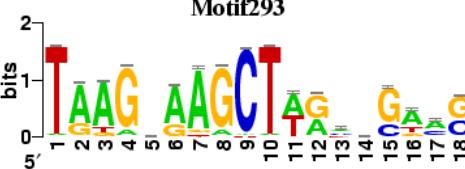
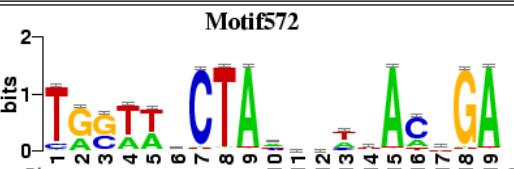
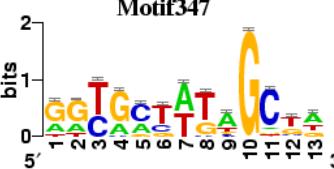
	Motif337				
	Motif626		230.84	0.9	0.149 0.001
	Motif406		217.12	0.7	0.191 0.003
	Motif415		308.45	0.85	0.250 0.003
19	Motif384		259.29	0.8	0.250 0.005
	Motif470		220.86	0.9	0.125 0.000
	Motif562		196.06	0.8	0.146 0.001
	Motif197		132.39	0.95	0.083 0.000
			435.33	0.7	0.340 0.004

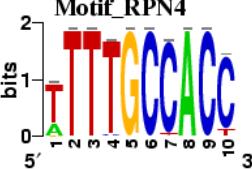
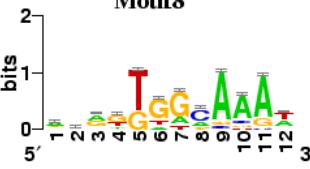
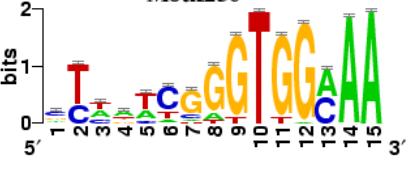
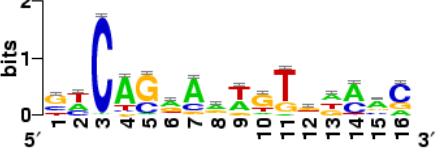
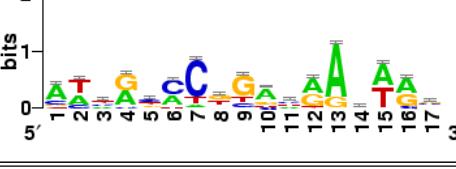
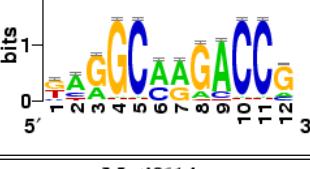
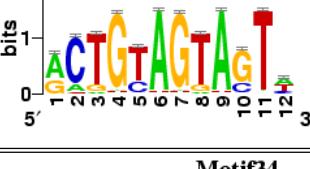
	Motif251					
20	Motif45		217.70	0.65	0.170	0.002
	Motif_HAP4		181.76	0.8	0.298	0.013
	Motif158		175.41	0.55	0.468	0.039
	Motif56		172.38	0.65	0.426	0.033
	Motif500		186.06	0.65	0.326	0.016
21	Motif402		157.24	0.75	0.261	0.011
	Motif24		46.14	0.9	0.043	0.000
			46.14	0.95	0.043	0.000

22	Motif_RFX1			
	Motif506		44.22	0.85
	Motif54		234.75	0.7
	Motif318		151.82	0.5
	Motif239		141.82	0.7
	Motif163		106.89	0.75
	Motif468		48.38	0.95
	Motif368		281.79	0.8
			178.72	0.75
				0.217
				0.006

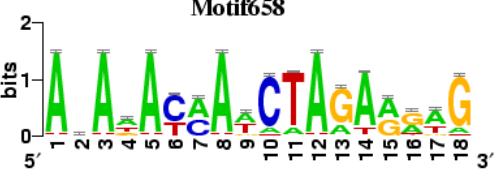
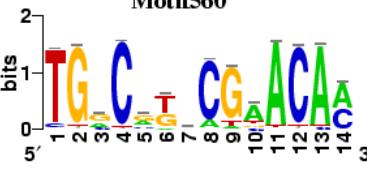
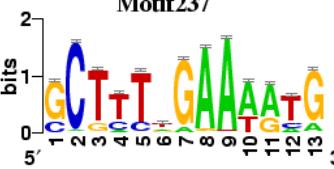
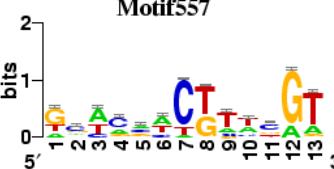
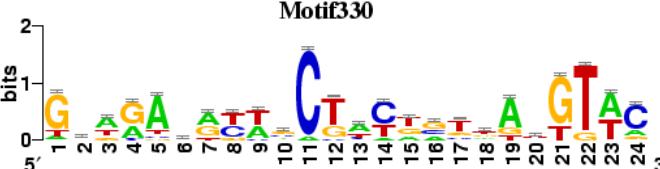
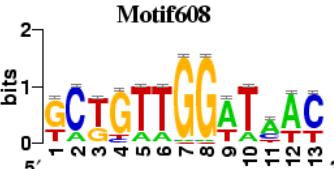
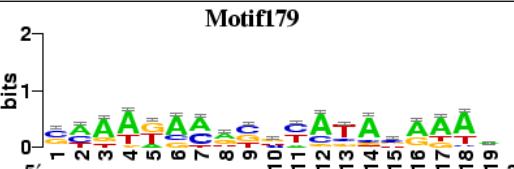
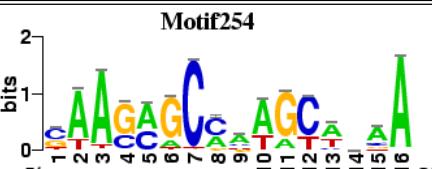
		Motif576		
23				
		Motif601	138.21	0.8
			0.261	0.013
23		Motif294	123.25	0.5
			0.304	0.022
		Motif124	46.14	0.95
			0.043	0.000
		Motif437	412.07	0.8
			0.256	0.001
		Motif236	398.02	0.9
24			0.209	0.000
24		Motif269	396.82	0.7
			0.279	0.002
		Motif544	379.01	0.75
			0.256	0.002
			333.01	0.8
			0.302	0.005

	Motif233					
	Motif570		372.97	0.65	0.238	0.001
25	Motif616		312.61	0.8	0.262	0.003
	Motif584		305.84	0.7	0.167	0.000
	Motif351		293.20	0.7	0.262	0.004
	Motif516		246.05	0.85	0.190	0.002
26	Motif632		115.41	0.85	0.156	0.004
	Motif364		108.94	0.75	0.356	0.034
			86.92	0.7	0.378	0.048

		Motif35				
						
		Motif_RRPE		74.70	0.85	0.644
						0.156
		Motif_PAC		71.03	0.75	0.511
						0.103
27		Motif293		275.25	0.65	0.227
						0.003
		Motif572		262.11	0.75	0.250
						0.004
		Motif450		215.45	0.8	0.159
						0.001
		Motif347		170.14	0.8	0.159
						0.002
		Motif502		145.28	0.95	0.091
				427.89	0.85	0.488
						0.013

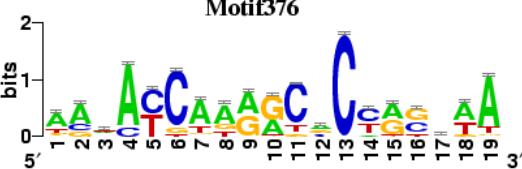
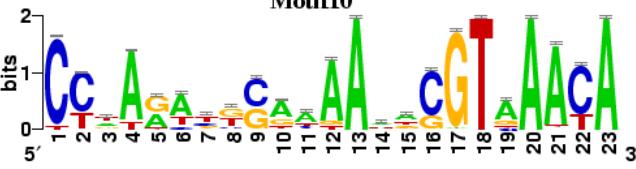
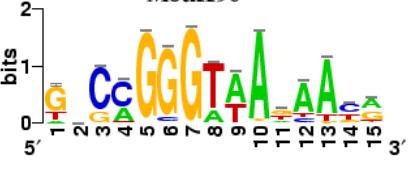
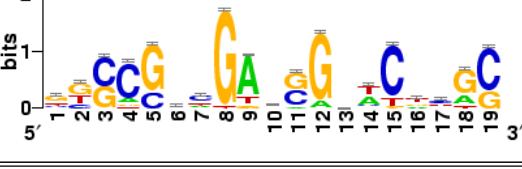
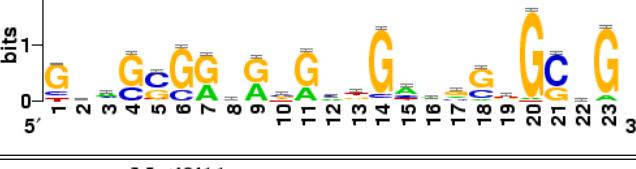
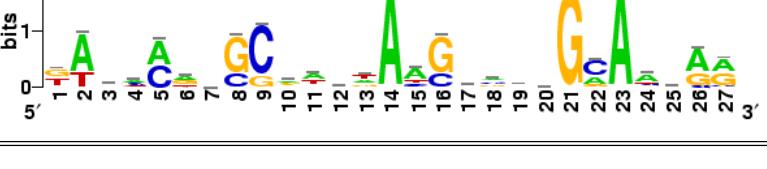
	Motif_RPN4			
				
28	Motif8	303.06	0.85	0.465
				0.019
	Motif230	295.32	0.55	0.558
				0.030
	Motif481	260.53	0.85	0.209
				0.002
	Motif52	220.89	0.9	0.163
				0.001
29	Motif527	323.65	0.8	0.214
				0.001
	Motif614	133.27	0.85	0.119
				0.001
	Motif34	88.19	0.65	0.452
				0.064
		69.29	0.85	0.119
				0.004

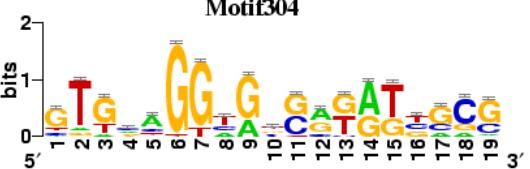
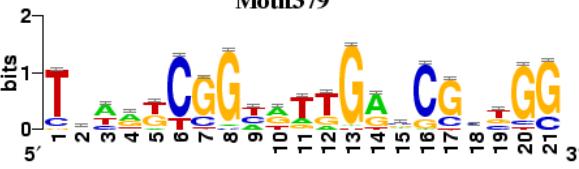
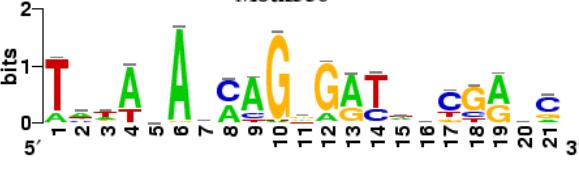
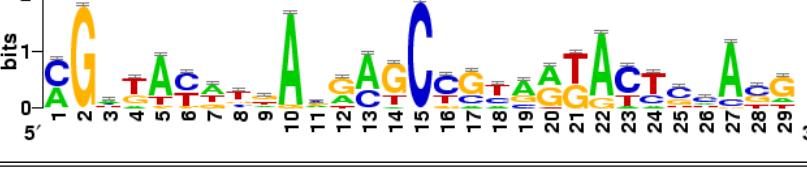
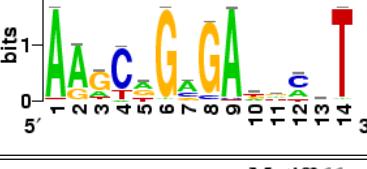
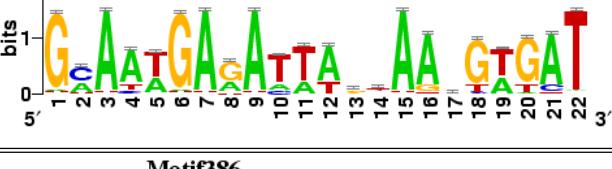
	Motif394				
	Motif_RRPE		28.15	0.85	0.476
30	Motif51		632.49	0.6	0.537
	Motif7		616.35	0.9	0.610
	Motif183		475.69	0.8	0.756
	Motif_MBP1		378.38	0.8	0.488
	Motif545		366.31	0.85	0.195
	Motif392		322.25	0.85	0.175
			308.87	0.75	0.225
			0.000	0.000	0.002

	Motif658			
31				
	Motif560			
		274.63	0.85	0.175
	Motif237			
		268.41	0.9	0.150
	Motif557			
		214.62	0.85	0.125
	Motif330			
		542.09	0.85	0.278
	Motif608			
		338.58	0.8	0.333
32	Motif179			
		263.47	0.85	0.222
	Motif254			
		252.36	0.7	0.306
		189.88	0.8	0.222
				0.004

		Motif422			
		Motif134		407.37	0.7 0.333 0.003
		Motif586		403.27	0.75 0.242 0.001
33					
		Motif619		403.27	0.8 0.242 0.001
		Motif436		227.38	0.9 0.273 0.005
		Motif61		219.02	0.75 0.394 0.015
		Motif640		576.53	0.85 0.294 0.000
34		Motif587		360.75	0.7 0.353 0.005
				345.65	0.8 0.235 0.001

	Motif405				
	Motif467		339.71	0.95	0.294
	Motif201		233.64	0.95	0.265
	Motif596		370.03	0.65	0.324
	Motif312		343.53	0.8	0.353
35	Motif131		326.63	0.8	0.412
	Motif417		243.61	0.8	0.382
	Motif283		238.25	0.75	0.294
			285.21	0.8	0.281
					0.004

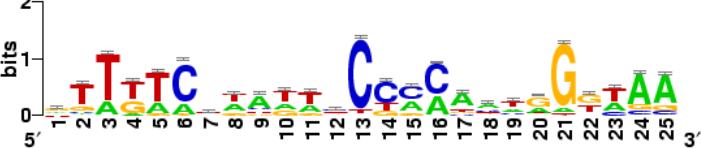
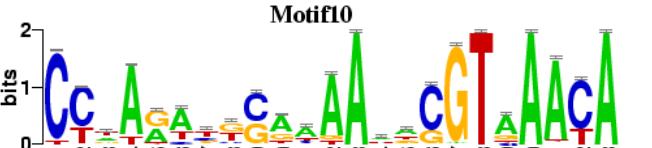
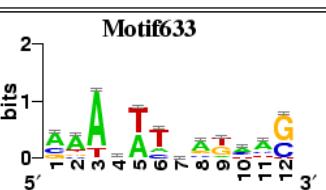
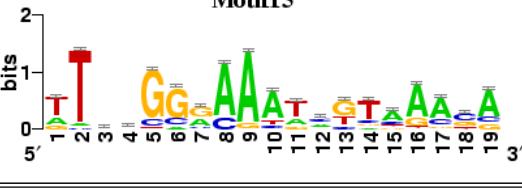
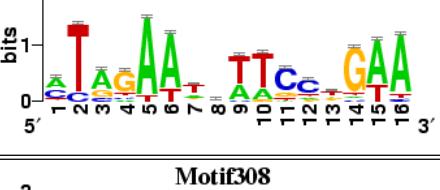
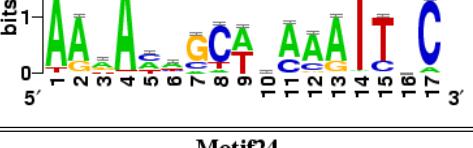
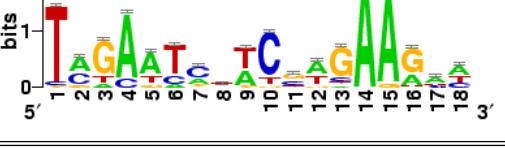
	Motif376			
36				
	Motif10			
		68.13	0.9	0.062
	Motif190			
		68.13	0.95	0.062
	Motif193			
		68.13	0.95	0.062
	Motif363			
		68.13	0.95	0.062
37	Motif229			
		551.66	0.7	0.370
	Motif411			
		501.95	0.85	0.296
	Motif387			
		477.60	0.8	0.407
		367.06	0.8	0.259
				0.001

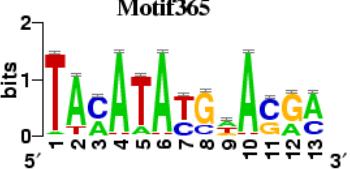
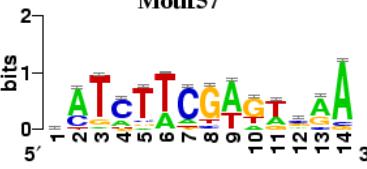
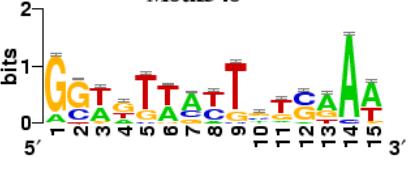
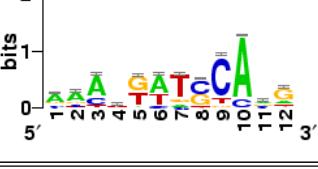
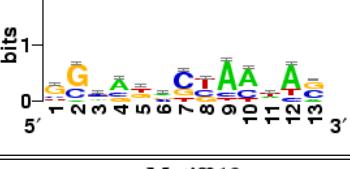
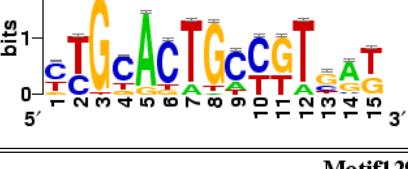
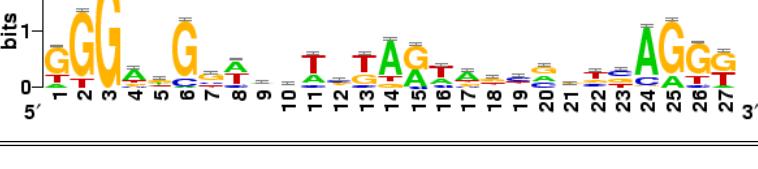
	Motif304				
	Motif379		361.76	0.85	0.296
38	Motif550		617.43	0.85	0.444
	Motif313		575.38	0.8	0.296
	Motif356		568.96	0.5	0.593
	Motif642		508.45	0.8	0.407
	Motif266		492.95	0.6	0.259
	Motif386		253.58	0.8	0.250
			152.75	0.75	0.286
0.003					

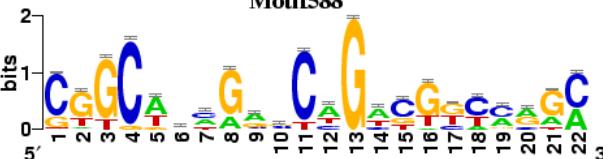
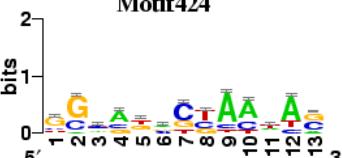
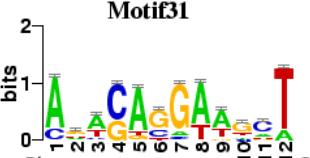
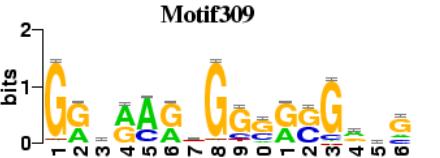
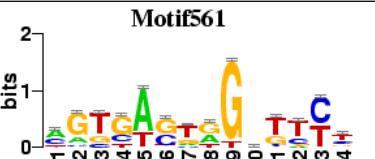
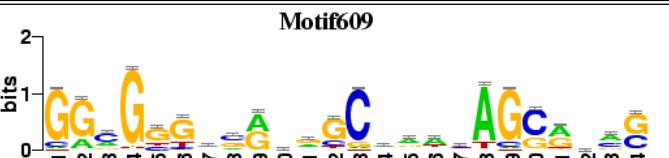
	Motif637			
39				
	Motif302		26.41	0.5
			0.500	0.858
39	Motif245		24.96	0.85
			0.071	0.001
	Motif297		24.96	0.95
			0.071	0.001
	Motif340		812.77	0.7
			0.440	0.001
	Motif374		805.67	0.75
			0.400	0.000
40	Motif271		484.26	0.85
			0.320	0.001
	Motif275		377.02	0.7
			0.480	0.009
			0.280	0.002
			317.62	0.85

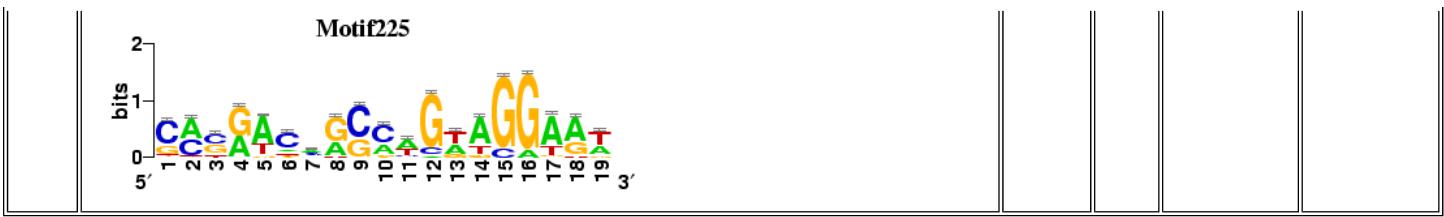
		Motif257				
41						
		Motif475		850.21	0.75	0.458
						0.001
		Motif655		596.34	0.7	0.375
		Motif511		418.14	0.8	0.292
42		Motif462		321.50	0.85	0.333
						0.004
		Motif116		297.45	0.85	0.208
43	NA			NA	NA	NA
		Motif218		692.06	0.75	0.588
						0.004
		Motif292		571.66	0.8	0.353
				314.05	0.75	0.471
						0.007

	Motif574				
	Motif660		269.25	0.7	0.588
	Motif472		215.79	0.8	0.294
	Motif541		1637.52	0.85	0.812
	Motif200		1342.32	0.85	0.688
44	Motif99		1195.25	0.8	0.625
	Motif420		1085.47	0.8	0.625
	Motif592		1085.47	0.9	0.625
			1146.64	0.7	0.647
					0.001

		Motif18				
						
		Motif142			1101.85	0.8 0.529 0.000
	45				976.80	0.5 0.706 0.003
		Motif10			687.66	0.95 0.353 0.000
					609.32	0.85 0.471 0.002
		Motif633			643.42	0.8 0.643 0.005
					643.42	0.8 0.643 0.005
		Motif15			643.42	0.8 0.643 0.005
	46				474.71	0.7 0.429 0.002
		Motif60			386.96	0.85 0.429 0.003
						
		Motif308				
						
		Motif24				
						

	Motif365				
	Motif57		302.34	0.85	0.429
47	Motif346		638.06	0.8	0.667
	Motif652		594.56	0.75	0.533
	Motif325		568.41	0.95	0.467
	Motif424		349.23	0.85	0.667
	Motif213		156.77	0.8	0.200
	Motif129		458.66	0.95	0.375
			390.66	0.85	0.625
			0.005		

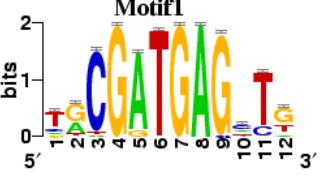
	Motif346			
48				
	Motif588			
		344.67	0.95	0.250
	Motif424			
48		235.38	0.9	0.500
	Motif652			
		235.38	0.75	0.500
	Motif31			
		922.13	0.9	0.600
	Motif309			
		580.40	0.95	0.400
49	Motif561			
		516.75	0.9	0.300
	Motif609			
		516.75	0.95	0.300
		438.41	0.65	0.700
				0.008

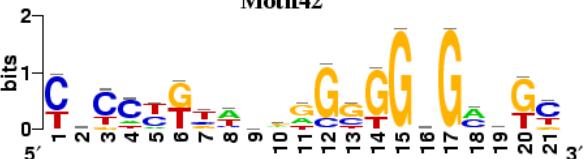
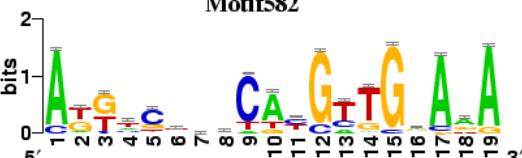
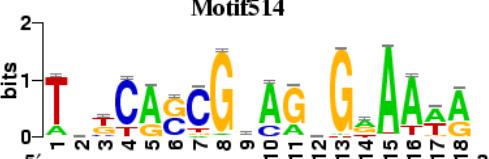
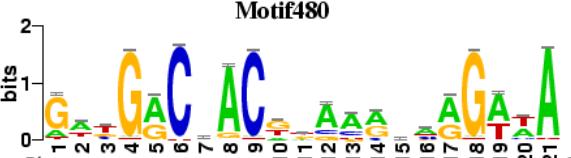
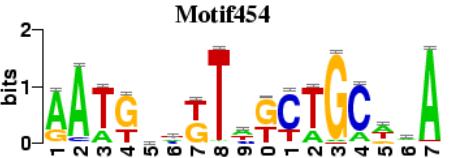
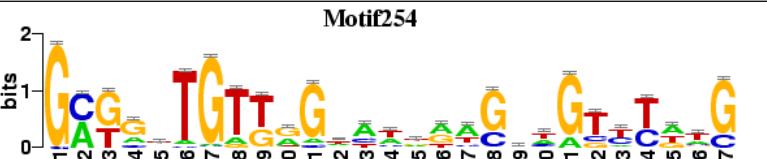
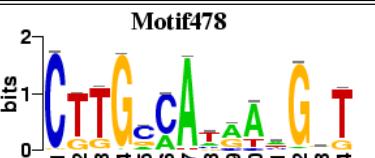


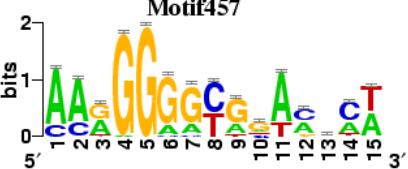
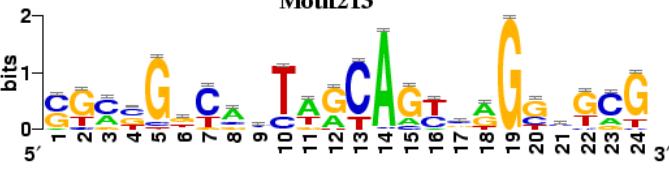
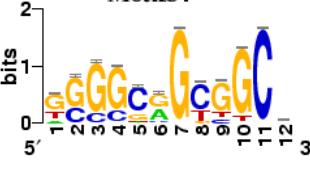
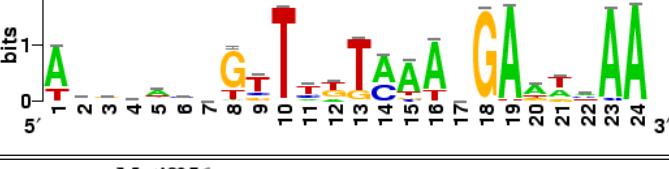
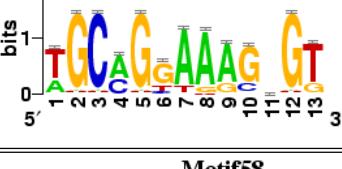
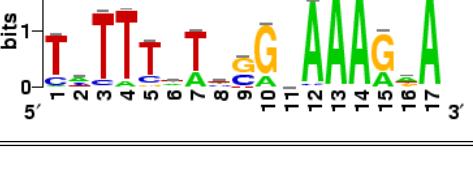
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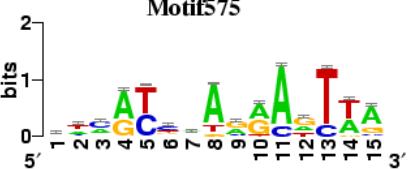
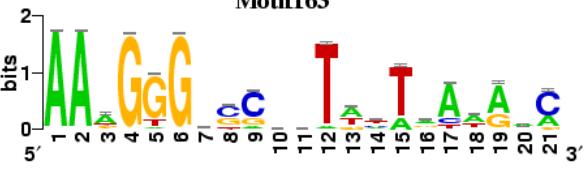
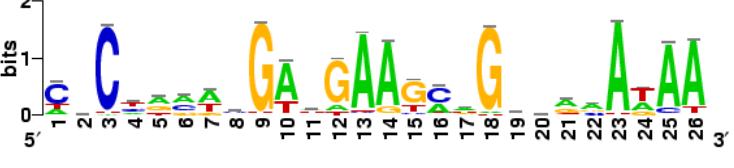
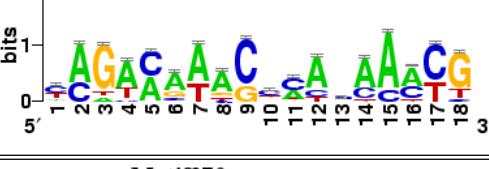
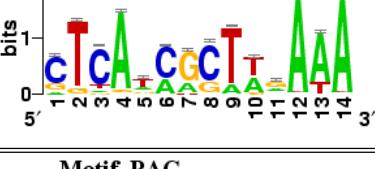
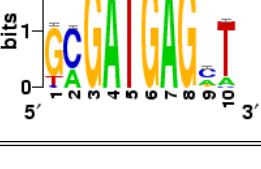
Cluster	Motif	Chi-square statistic	Score cutoff	Posterior probability within cluster	Posterior probability outside cluster
1	Motif2	802.52	0.55	0.782	0.036
	Motif89	471.39	0.65	0.594	0.040
	Motif_RAP1	454.52	0.7	0.644	0.052
	Motif386	275.92	0.55	0.317	0.017
	Motif37	207.09	0.85	0.228	0.011
	Motif377	247.47	0.8	0.161	0.002
	Motif211	241.55	0.55	0.290	0.016

		Motif109				
	2		227.79	0.75	0.226	0.009
	2	Motif529				
	2		226.46	0.7	0.172	0.004
	2	Motif431				
	2		196.28	0.8	0.108	0.001
	3	Motif169				
3	3		208.28	0.7	0.193	0.006
	3	Motif579				
	3		162.74	0.8	0.102	0.001
	3	Motif347				
3	3		159.95	0.75	0.125	0.003
	3	Motif563				
	3		141.57	0.8	0.148	0.006
	3	Motif185				
	3		121.97	0.75	0.148	0.007
			416.09	0.55	0.814	0.089

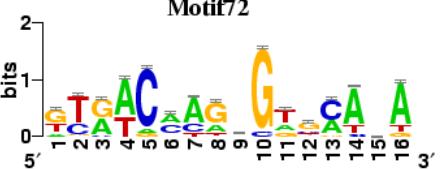
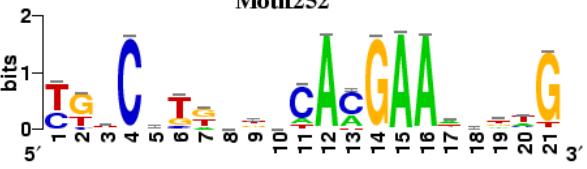
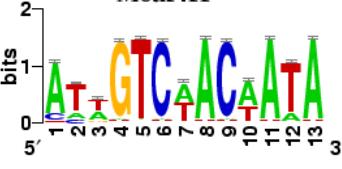
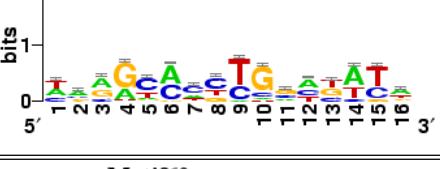
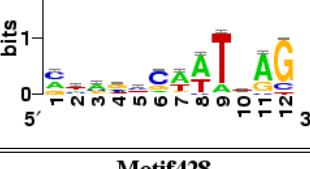
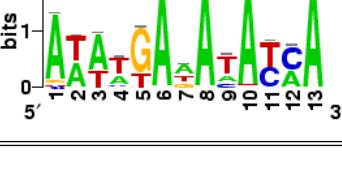
	Motif1				
4		367.01	0.75	0.756	0.086
	Motif_PAC				
	Motif28				
	Motif40				
	Motif485				
5	Motif154				
	Motif205				
	Motif121				
		182.63	0.85	0.174	0.004

	Motif26				
	Motif42		172.82	0.6	0.290
6	Motif582		217.71	0.85	0.145
	Motif514		180.54	0.75	0.159
	Motif480		167.47	0.75	0.145
	Motif454		154.60	0.75	0.188
	Motif254		126.58	0.7	0.145
	Motif478		226.76	0.75	0.194
			177.47	0.55	0.448
					0.048

	Motif457			
7		158.66	0.5	0.254
	Motif213			0.015
		153.69	0.8	0.224
	Motif84			0.011
		144.60	0.75	0.373
	Motif55			0.040
		297.83	0.7	0.197
	Motif56			0.002
		277.85	0.75	0.197
	Motif532			0.002
8		138.39	0.8	0.106
	Motif256			0.001
		107.70	0.7	0.258
	Motif58			0.024
		94.03	0.9	0.061
				0.000

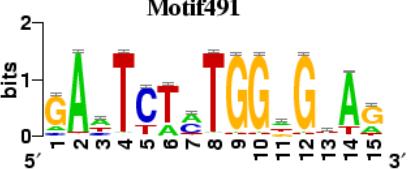
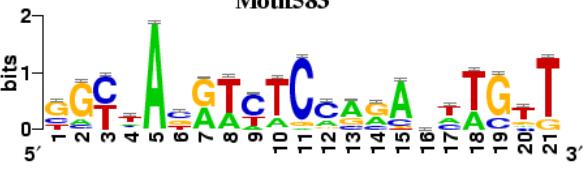
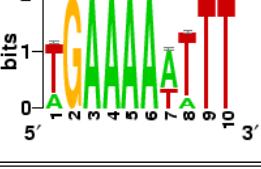
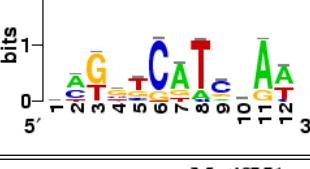
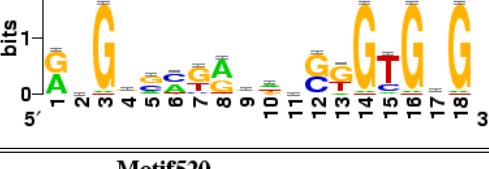
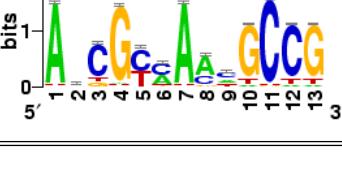
	Motif575				
	Motif163		286.99	0.7	0.222
9	Motif155		261.34	0.7	0.190
9	Motif555		230.78	0.75	0.175
	Motif321		175.44	0.75	0.175
	Motif422		167.98	0.9	0.111
	Motif270		192.31	0.75	0.228
10	Motif_PAC		162.56	0.65	0.702
			132.33	0.9	0.140
					0.003

	Motif68				
	Motif1		102.02	0.5	0.596
	Motif365		95.18	0.9	0.088
	Motif405		246.91	0.75	0.246
	Motif315		244.02	0.7	0.262
11	Motif297		239.04	0.75	0.180
	Motif222		215.67	0.75	0.148
	Motif550		177.25	0.8	0.148
			237.00	0.75	0.273
					0.008

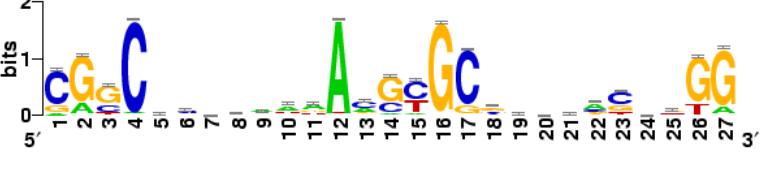
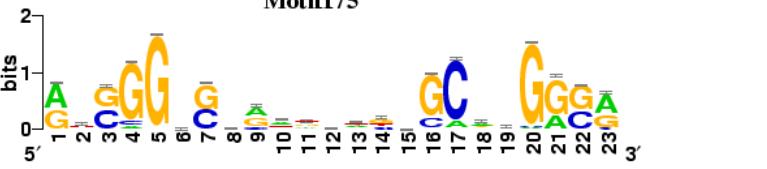
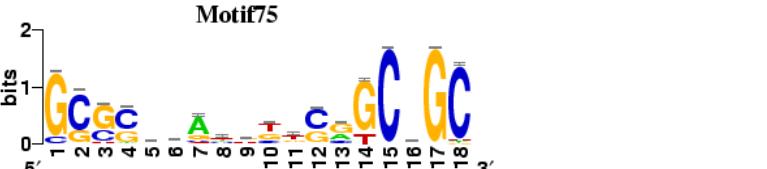
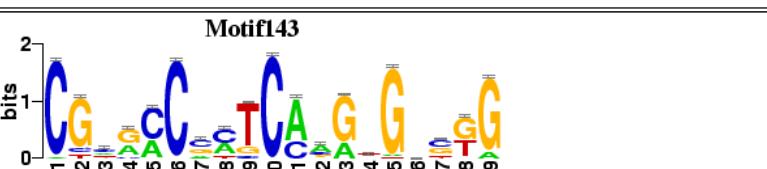
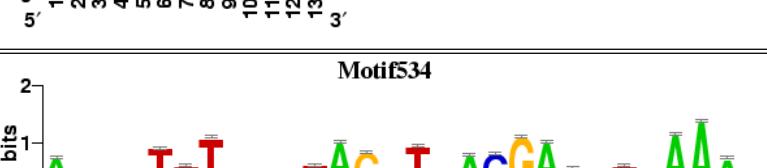
	Motif72				
12	Motif252		227.53	0.65	0.255
	Motif411		204.68	0.85	0.145
	Motif465		198.52	0.8	0.164
	Motif359		190.46	0.8	0.109
13	Motif596		37.47	0.5	0.158
	Motif60		25.09	0.5	0.474
	Motif428		19.17	0.9	0.070
			18.21	0.85	0.053
					0.003

	Motif370			
	Motif61			
		17.32	0.9	0.035
	Motif584			
		332.52	0.75	0.193
	Motif496			
		208.42	0.55	0.368
14	Motif548			
14		196.15	0.8	0.193
	Motif62			
		183.35	0.85	0.105
	Motif288			
		127.02	0.65	0.263
	Motif29			
		524.17	0.85	0.377
		454.56	0.9	0.283
				0.002

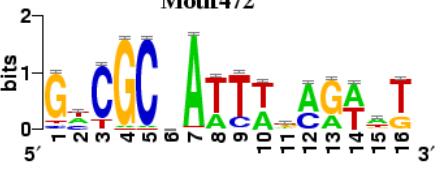
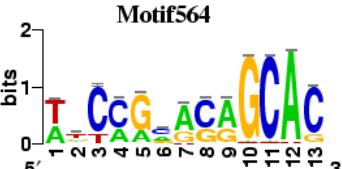
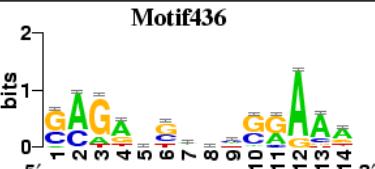
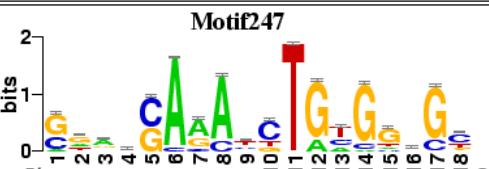
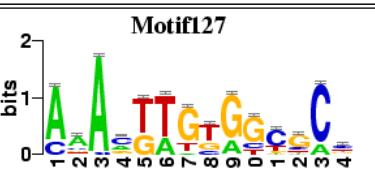
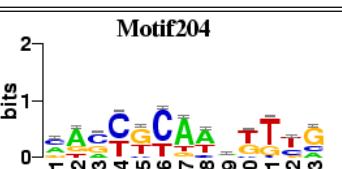
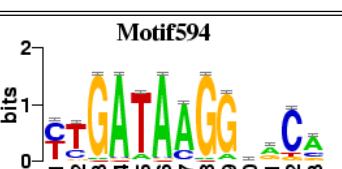
	Motif372			
15				
	Motif417		367.15	0.65
		0.264	0.003	
15	Motif224		334.60	0.75
		0.377	0.011	
	Motif130		311.45	0.75
		0.264	0.004	
	Motif444		269.62	0.85
		0.164	0.001	
16	Motif601		269.62	0.8
		0.164	0.001	
16	Motif595		241.18	0.75
		0.164	0.001	
	Motif464		217.91	0.7
		0.164	0.002	
		0.182	0.003	

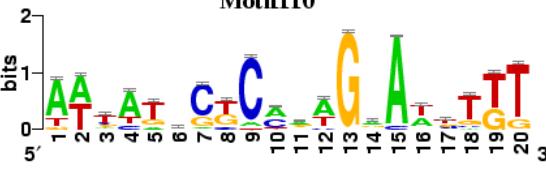
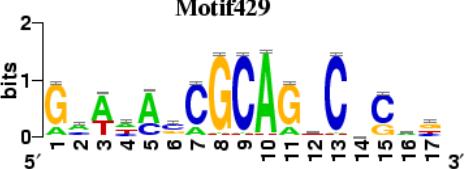
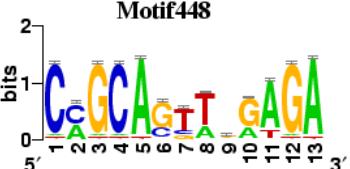
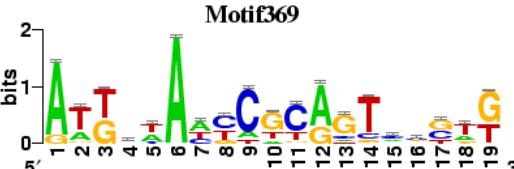
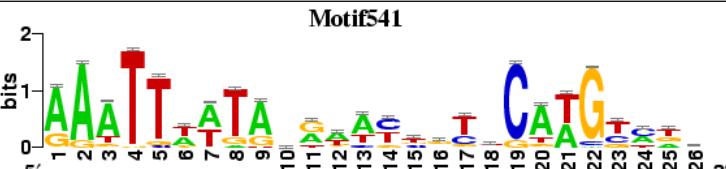
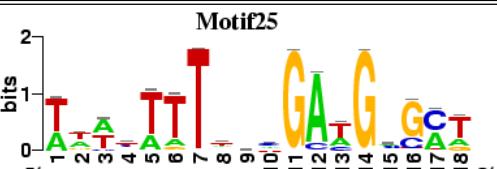
		Motif491				
17						
		Motif583		263.55	0.7	0.245
						0.005
		Motif453		170.48	0.75	0.189
						0.005
		Motif513		79.14	0.95	0.057
18						0.000
		Motif_RRPE		69.93	0.85	0.585
						0.152
		Motif571		67.13	0.85	0.208
19						0.020
		Motif551		347.26	0.75	0.292
						0.004
20		Motif520		293.78	0.85	0.208
						0.002
21				264.38	0.9	0.146
						0.000

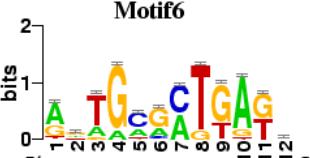
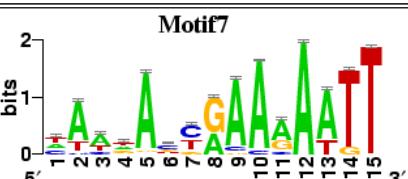
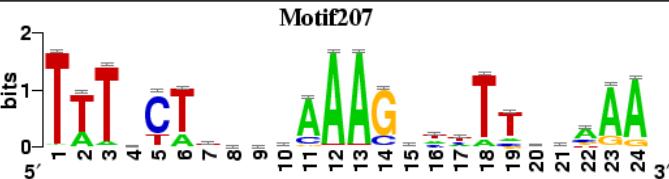
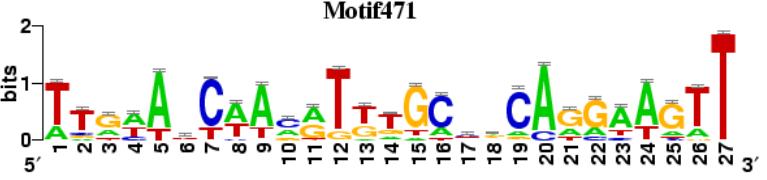
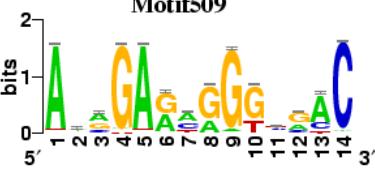
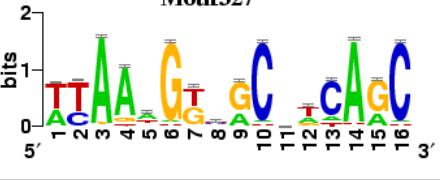
	Motif516					
	Motif489		237.13	0.75	0.167	0.001
	Motif572		225.00	0.9	0.146	0.001
	Motif592		441.48	0.75	0.229	0.000
	Motif308		335.47	0.75	0.229	0.002
19	Motif590		310.23	0.8	0.229	0.002
	Motif600		252.62	0.75	0.188	0.002
	Motif385		237.13	0.8	0.167	0.001
			460.42	0.65	0.319	0.003

	Motif194				
					
	Motif175				
		444.25	0.8	0.298	0.002
20	Motif75				
		366.01	0.8	0.340	0.006
	Motif143				
		360.97	0.55	0.404	0.011
	Motif56				
		341.71	0.65	0.511	0.022
	Motif463				
		242.89	0.75	0.217	0.003
21	Motif534				
		241.31	0.7	0.196	0.002
	Motif525				
		200.82	0.85	0.174	0.002
		46.00	0.95	0.043	0.000

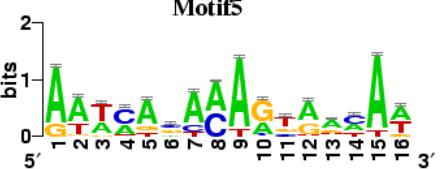
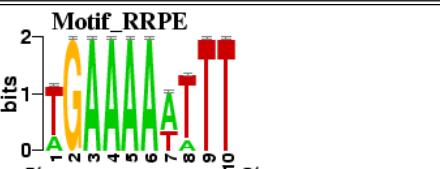
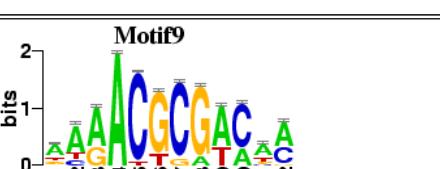
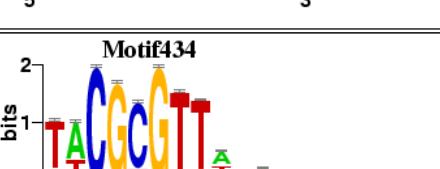
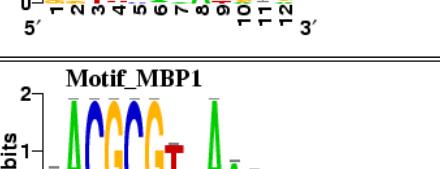
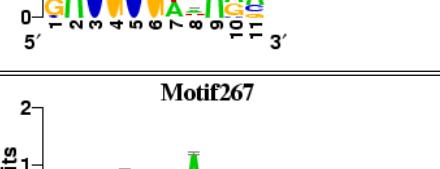
	Motif116			
	Motif148		46.00	0.95 0.043 0.000
22	Motif493		209.79	0.85 0.200 0.003
	Motif466		83.82	0.75 0.200 0.012
	Motif264		79.78	0.8 0.178 0.010
	Motif437		73.02	0.65 0.556 0.119
	Motif147		47.09	0.95 0.044 0.000
	Motif353		414.31	0.55 0.311 0.003
			270.96	0.75 0.200 0.002

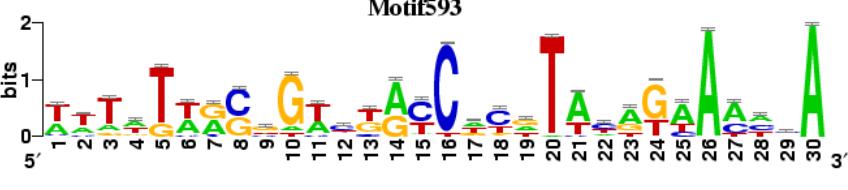
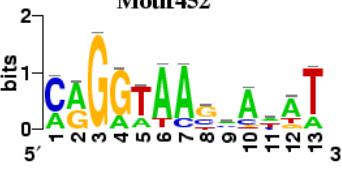
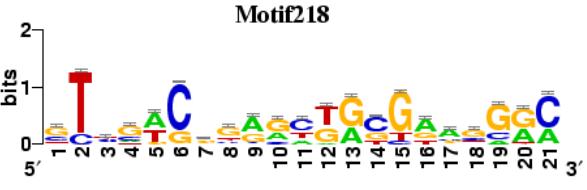
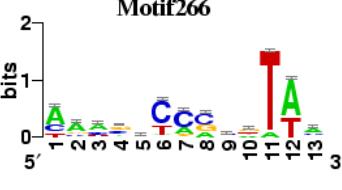
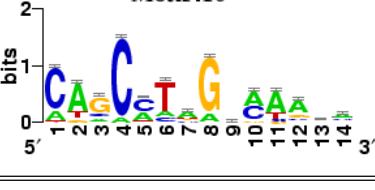
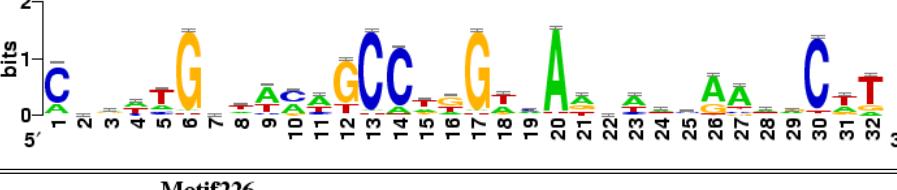
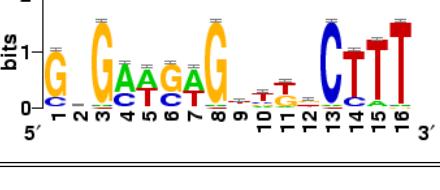
	Motif300			
23		204.69	0.75	0.222
	Motif472			0.005
				
	Motif564			
23		187.50	0.85	0.178
	Motif436			
		115.06	0.9	0.156
	Motif247			
		473.03	0.85	0.302
24	Motif127			
		369.72	0.8	0.279
	Motif204			
24		302.09	0.85	0.186
	Motif594			
		284.84	0.8	0.256
		267.10	0.85	0.186
				0.001

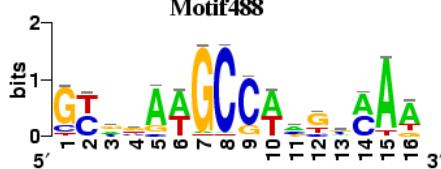
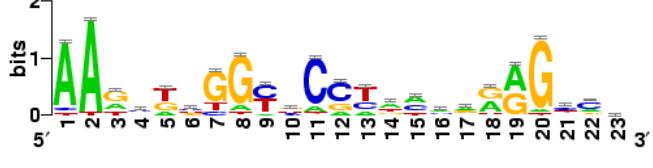
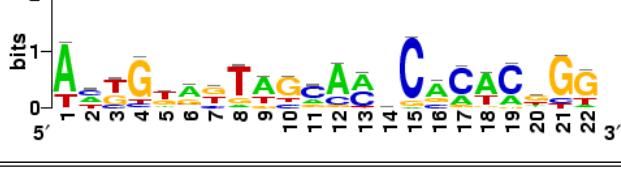
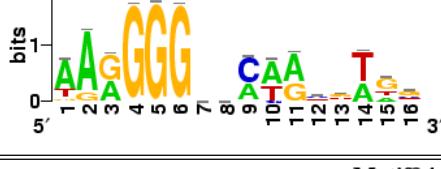
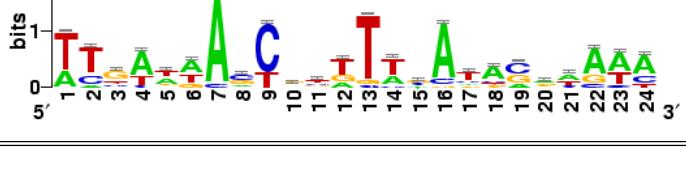
	Motif58				
	Motif110		288.75	0.75	0.238
25	Motif328		266.51	0.85	0.214
	Motif429		266.51	0.8	0.214
	Motif448		178.74	0.85	0.143
	Motif369		175.51	0.65	0.357
	Motif541		253.31	0.85	0.205
26	Motif25		176.63	0.7	0.477
			107.19	0.95	0.091
					0.001

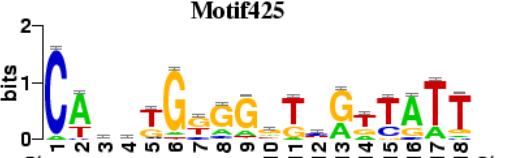
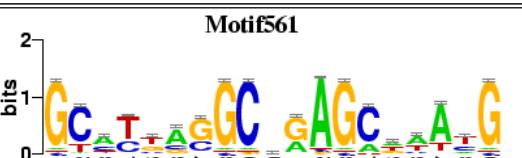
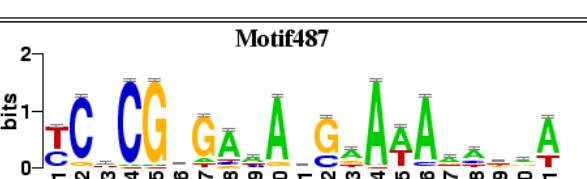
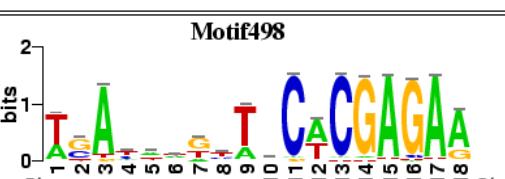
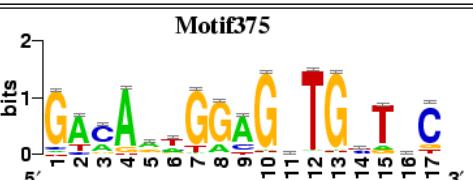
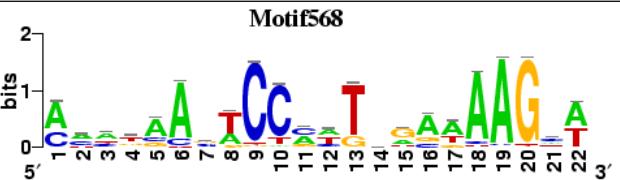
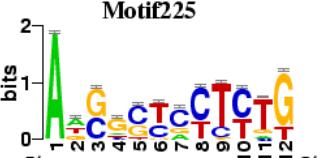
	Motif482			
	Motif6		95.36	0.75
	Motif7		87.72	0.5
	Motif207		318.38	0.75
	Motif471		306.86	0.65
27	Motif509		233.20	0.85
	Motif327		210.83	0.75
	Motif531		199.77	0.65
			382.33	0.8
			0.535	0.019

	Motif8			
	Motif_RPN4			
		325.96	0.85	0.372
28	Motif187			
28		204.92	0.9	0.209
	Motif233			
		150.61	0.85	0.233
	Motif362			
		133.44	0.75	0.140
	Motif460			
		91.44	0.8	0.098
29	Motif137			
29		52.03	0.95	0.049
	Motif200			
		52.03	0.95	0.049
		41.00	0.75	0.463
				0.119

	 <p>Motif5</p>				
	 <p>Motif_RRPE</p>	36.50	0.8	0.537	0.168
30	 <p>Motif9</p>	553.36	0.75	0.610	0.015
	 <p>Motif434</p>	477.27	0.7	0.829	0.040
	 <p>Motif33</p>	432.27	0.85	0.439	0.009
	 <p>Motif_MBP1</p>	362.81	0.7	0.512	0.018
	 <p>Motif267</p>	299.79	0.85	0.220	0.002
	 <p>Motif102</p>	52.03	0.95	0.049	0.000
		52.03	0.8	0.049	0.000

						
31			32.32	0.7	0.317	0.069
			32.14	0.85	0.073	0.002
			25.03	0.95	0.049	0.001
			462.59	0.7	0.371	0.004
			407.22	0.85	0.314	0.003
32			393.18	0.75	0.257	0.001
			356.16	0.8	0.257	0.002
			276.83	0.8	0.257	0.003

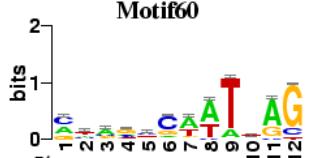
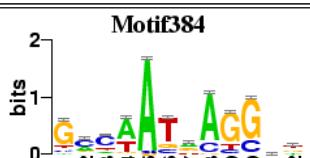
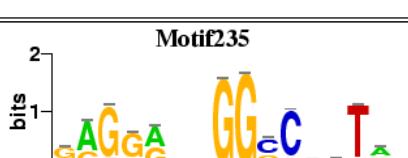
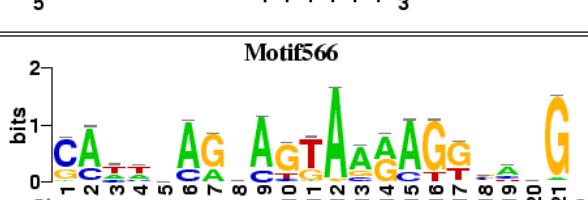
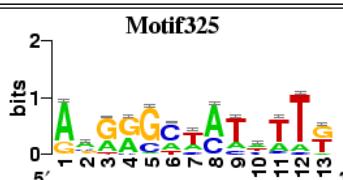
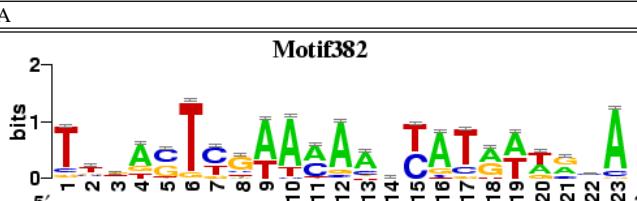
		Motif488								
										
		Motif344								
				461.30	0.85	0.242	0.000			
33		Motif203								
33				376.14	0.7	0.303	0.003			
33		Motif209								
33				346.98	0.85	0.273	0.002			
		Motif540								
				337.20	0.85	0.212	0.001			
		Motif99								
					272.78	0.95	0.182	0.001		
		Motif94								
					477.78	0.55	0.353	0.003		
34		Motif346								
34					367.61	0.9	0.265	0.002		
							338.70	0.95	0.294	0.003

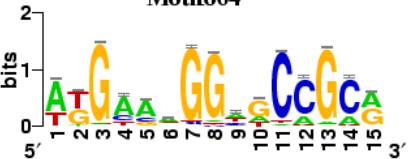
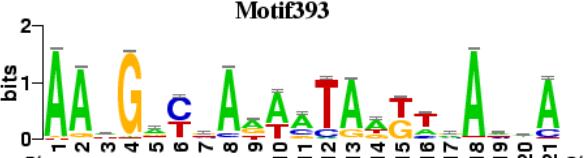
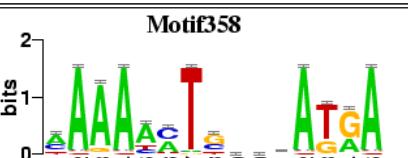
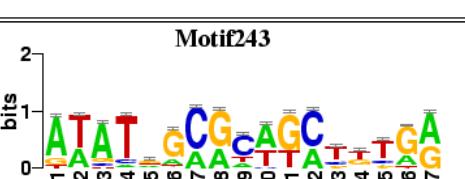
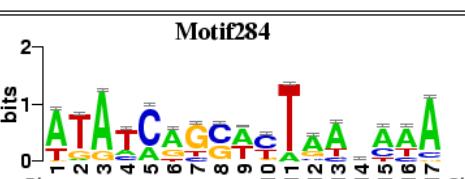
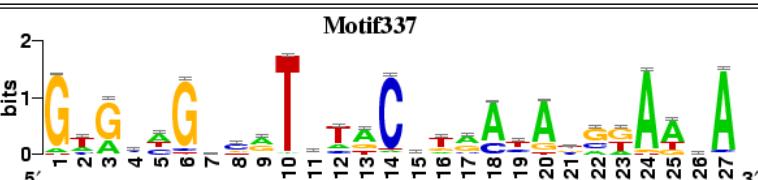
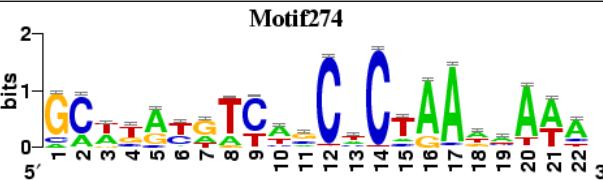
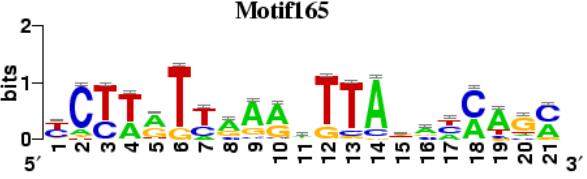
	Motif178				
	Motif425		265.85	0.8	0.265
	Motif561		264.08	0.85	0.176
	Motif487		356.02	0.85	0.242
	Motif498		242.66	0.8	0.242
35	Motif375		240.84	0.75	0.273
	Motif568		178.80	0.75	0.182
	Motif225		111.60	0.7	0.576
			217.96	0.9	0.219
					0.003

	Motif435				
	Motif253		130.52	0.85	0.281
36	Motif483		70.37	0.9	0.188
	Motif24		67.93	0.9	0.062
	Motif73		67.93	0.8	0.062
	Motif510		489.05	0.75	0.444
37	Motif93		424.37	0.75	0.407
	Motif199		365.98	0.6	0.259
			327.35	0.8	0.185
					0.000

38	Motif138						
	Motif279		316.43	0.65	0.481	0.012	
	Motif261			606.20	0.8	0.346	0.001
	Motif281			512.24	0.8	0.269	0.000
	Motif518			496.62	0.85	0.423	0.004
	Motif131			493.55	0.65	0.346	0.002
	Motif546			489.42	0.8	0.385	0.003
	Motif591			407.48	0.7	0.393	0.005
				393.45	0.85	0.214	0.000

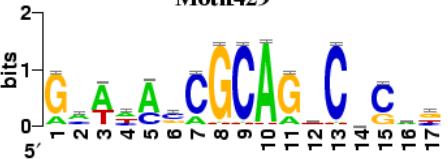
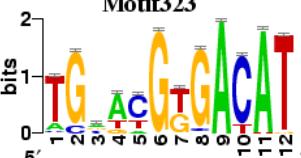
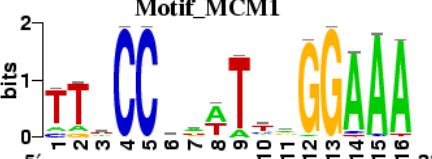
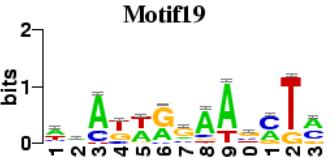
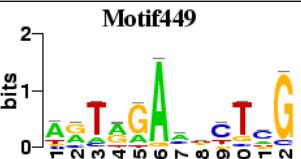
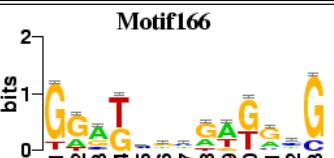
	Motif426				
39		382.31	0.75	0.286	0.002
	Motif354				
	Motif258				
	Motif217				
	Motif246				
40	Motif117				
	Motif450				
	Motif339				
		154.25	0.85	0.200	0.003

		Motif208						
								
		Motif60			331.46	0.9	0.292	0.002
								
		Motif384			279.27	0.9	0.167	0.000
								
41		Motif235			276.28	0.8	0.375	0.007
								
		Motif566			228.52	0.85	0.250	0.003
								
		Motif325			199.34	0.8	0.417	0.014
								
42	NA				NA	NA	NA	NA
		Motif382			587.71	0.8	0.312	0.000
								
		Motif392			522.64	0.85	0.375	0.001
43					440.57	0.95	0.250	0.000

	Motif604				
	Motif393		329.08	0.8	0.250
	Motif358		305.65	0.85	0.562
	Motif243		1936.87	0.8	0.941
	Motif284		1798.71	0.75	0.882
44	Motif337		1798.71	0.7	0.882
	Motif274		1685.35	0.65	0.882
	Motif165		1660.76	0.75	0.824
			1225.81	0.5	0.688
					0.001

		Motif593				
		Motif580			939.86	0.8 0.562 0.001
45		Motif294			916.12	0.65 0.688 0.003
		Motif73			812.90	0.5 0.688 0.004
		Motif318			375.39	0.7 0.812 0.021
		Motif38			1051.23	0.85 0.571 0.001
46		Motif539			713.95	0.85 0.429 0.001
		Motif24			697.50	0.65 0.571 0.003
					533.48	0.75 0.429 0.002

47	Motif381					
	Motif443		470.75	0.85	0.500	0.004
	Motif285					
	Motif475		829.00	0.85	0.800	0.006
	Motif141		391.91	0.9	0.400	0.003
	Motif387					
	Motif167		316.31	0.95	0.200	0.000
	Motif141		261.94	0.9	0.444	0.004
			165.82	0.65	0.667	0.019

	Motif429			
48				
	Motif185			
		146.29	0.9	0.222
	Motif323			
		122.41	0.65	0.556
	Motif_MCM1			
		115.85	0.75	0.556
	Motif391			
		1404.27	0.8	0.727
49	Motif19			
		746.89	0.9	0.636
	Motif449			
		731.90	0.8	0.455
	Motif166			
		687.00	0.95	0.364
		291.57	0.95	0.364
				0.002

