

H. sapiens				P. troglodytes				M. musculus				R. norvegicus			
dN	dS	ω	Δω	dN	dS	ω	Δω	dN	dS	ω	Δω	dN	dS	ω	Δω
36	65			41	54	84		45	45	95		58	52		
73	64			66	66			31	31			33	15	89	
		54						45	45			54	54		
79	16					14						8	14		
29	63					17		51	26			51	41	36	
								50	58	90		33	66		
		58						50	41			58	41		
26	50	30		38	50	23		26	34			69	50	53	46
71	64							32	27	84		22	27	73	
29	77	62	78					35	38				59	89	
59				46	22	39						51	28	70	
65	63			62				41	43			25	30		
60	65							92	84			100	92		
36	40			25	46	81		45	45	91		43	50		
27	69			21	43	69		44	47	98		30	29	98	
17	29	13		39	62		88	30	23	20	74	30	25	32	
26		23		24	37	14		12	12	14		22	18	13	
80		91		21				50	30			57	38	35	30
53	32							38	44	92		35	34	75	
79	41	67		50	57	80		35	28			60	57	28	
70	65							63	67			77	72		
72	64			77	68							35	30		
75				71	67			26	26	78		28	48		
								47	42			57	11		
84	86	55				91		43	56	88		67	82	84	
72	67			83	73			19	20	92		27	29	91	
56								45	59			34	27		
79	68							43	50			50	50	37	
60				50				36	46			36	34		
87	95			46	95			50	70	60		60	30		
52	64	15		47	15			39	36			34	43		
76	63			13	13	18		58	52			70	76		
76	63		9	67	53	76		36	36			30	35		
79	62			10	16	10		10	16	10		25	19	14	
79	62			65	60	91		43	52			32	11		
50	60							46	46	46		73	73	46	
65	63							33	39	94		13	32		
50	57	91		14	58	90		22	28	95		16	18	85	
91		92			91			8	17	82		14	8	80	
65				28	48		48	23	25			28	13		
54		45			14			17	15	17		54	50		
22				32	14			41	37	37		29	27	21	
57	36			65	64			15	22			17			
37	69			36				54	63			81	81	72	
25	19	19		72	86			55	58			44	48	100	
32	38							66				89			
												39	36	38	
14				60	29	40		14	25			14	14		
29						50		45	27			50	58	75	
14				24	36	77		43	45			62	9	17	
64	61			40				29	38			31	31	100	
65	57	85		15	30	61		38	45			55	11	11	
70						17	25	84				23	24	90	
52				36	42			44	50			67	34		
54								84							
32				60				45	45	45		54	54		
33	41			33	41	91		43	45			35	27	77	
65				40	45	80		37	37			31	25		
57	63							63	63			42	42		
62	65			93	63	88		87				83	82		
28				50		17		15	27			71	46	46	39
59	66			70				46	46			31	29		
50	76				61	76		8	25	24	89				
					25			71	46	46	39				
20	33	80		50	33	79		23	37	81		16	15	72	
	40			28				31	36	52		52	40	32	
42								21	27	24		24	24		
57	59	93		59				36	42			33	37		
71	59			67	59			21	36	93		27	12		
					11			35	19			22	22	17	
								74	80			91	74	82	
81	32	39		63	18	32		13	22			12	11	70	
								35	19			16	16		
30	55	86		13	38	90		18	19	78		12	16	95	

hsa05221 (46) Acute myeloid leukemia
hsa04520 (57) Adherens junction
hsa05330 (11) Allograft rejection
hsa05010 (113) Alzheimers disease
hsa04612 (41) Antigen processing and presentation
hsa05412 (62) Arrhythmogenic right ventricular cardiomyopathy (ARVC)
hsa05310 (12) Asthma
hsa05320 (26) Autoimmune thyroid disease
hsa04360 (109) Axon guidance
hsa04020 (131) Calcium signaling pathway
hsa04062 (123) Chemokine signaling pathway
hsa05332 (13) Chondroitin sulfate biosynthesis
hsa05220 (60) Chronic myeloid leukemia
hsa05210 (65) Colorectal cancer
hsa04610 (43) Complement and coagulation cascades
hsa04060 (174) Cytokine-cytokine receptor interaction
hsa04623 (42) Cytosolic DNA-sensing pathway
hsa05144 (153) Dilated cardiomyopathy
hsa04982 (28) Drug metabolism - cytochrome P450
hsa04512 (68) ECM-receptor interaction
hsa04144 (140) Endocytosis
hsa04012 (70) ErbB signaling pathway
hsa04665 (76) Fc gamma R-mediated phagocytosis
hsa04510 (153) Focal adhesion
hsa04540 (68) Gap junction
hsa05214 (44) Glioma
hsa00531 (16) Glycosaminoglycan degradation
hsa04912 (73) GnRH signaling pathway
hsa05331 (10) Graft-versus-host disease
hsa04340 (41) Hedgehog signaling pathway
hsa04640 (53) Hematopoietic cell lineage
hsa00534 (17) Heparan sulfate biosynthesis
hsa04910 (104) Insulin signaling pathway
hsa04630 (111) Jak-STAT signaling pathway
hsa04670 (78) Leukocyte transendothelial migration
hsa00591 (15) Linoleic acid metabolism
hsa04730 (53) Long-term depression
hsa04720 (49) Long-term potentiation
hsa04010 (210) MAPK signaling pathway
hsa04916 (69) Melanogenesis
hsa05218 (52) Melanoma
hsa00980 (24) Metabolism of xenobiotics by cytochrome P450
hsa04650 (84) Natural killer cell mediated cytotoxicity
hsa04722 (92) Neurotrophin signaling pathway
hsa03450 (11) Non-homologous end-joining
hsa05223 (43) Non-small cell lung cancer
hsa03020 (39) Nucleotide excision repair
hsa04740 (136) Olfactory transduction
hsa04114 (84) Oocyte meiosis
hsa00511 (12) Other glycan degradation
hsa00190 (82) Oxidative phosphorylation
hsa05212 (57) Pancreatic cancer
hsa05012 (76) Parkinsons disease
hsa05130 (34) Pathogenic Escherichia coli infection
hsa05200 (245) Pathways in cancer
hsa04146 (61) Peroxisome
hsa00860 (19) Porphyrin and chlorophyll metabolism
hsa00120 (11) Primary bile acid biosynthesis
hsa05340 (25) Primary immunodeficiency
hsa04914 (62) Progesterone-mediated oocyte maturation
hsa03050 (35) Proteasome
hsa03060 (19) Protein export
hsa00230 (124) Purine metabolism
hsa04810 (158) Regulation of actin cytoskeleton
hsa04140 (28) Regulation of autophagy
hsa05211 (57) Renal cell carcinoma
hsa00740 (13) Riboflavin metabolism
hsa03010 (26) Ribosome
hsa04622 (55) RIG-I-like receptor signaling pathway
hsa03020 (17) RNA polymerase
hsa03040 (86) Spliceosome
hsa00140 (25) Steroid hormone biosynthesis
hsa05322 (33) Systemic lupus erythematosus
hsa04350 (66) TGF-beta signaling pathway
hsa04530 (91) Tight junction
hsa04620 (70) Toll-like receptor signaling pathway
hsa00380 (35) Tryptophan metabolism
hsa04120 (106) Ubiquitin mediated proteolysis
hsa05110 (42) Vibrio cholerae infection
hsa04310 (111) Wnt signaling pathway