

Gene Name	Out-degree (serum)	Out-degree (2i)
Esrrb	4	6
Klf4	4	3
Myc	0	0
Nanog	6	6
Nr0b1	2	2
Pou5f1	15	13
Sall4	1	1
Sox2	6	8
Stat3	1	1
Tbx3	1	1
Tcf3	5	7
Zfp281	1	0
Zfp42	1	1
Zfx	2	2
Jarid2	1	0

Table S6. Out-degree centrality measures in terms of critical links of nodes in the ensemble, representative networks of mESCs in serum/LIF and 2i/LIF