

Table S3 Setting1 Top 100 Nodes

Node1	Node2	node1_accession_id	node2_accession_id	neighbordromosome	gene_fusion	phylogenetic_occurrence	homology	coexpression	experimentally_determined_interaction	database_annotated	automated_text_mining	combined_score
ENSPMAP00000005795	ENSPMAP00000001904	A0A2D0RR20	A0A2D0S9P2	0	0	0	0	0.594	0.949	0.904	0.683	0.999
ENSPMAP00000001904	ENSPMAP00000002468	A0A2D0S9P2	A0A2D0Q322	0	0	0	0	0.375	0.998	0.905	0.878	0.999
ENSPMAP00000005795	ENSPMAP00000002468	A0A2D0RR20	A0A2D0Q322	0	0	0	0	0.723	0.999	0.923	0.729	0.999
ENSPMAP00000007903	LSM1	A0A2D0QQQC	W5U936	0	0	0	0	0.106	0.841	0.958	0.917	0.999
ENSPMAP00000004631	ENSPMAP00000006115	W5UE64	E3TGN0	0	0	0	0	0.657	0.955	0.954	0.629	0.999
ENSPMAP00000006282	ENSPMAP00000007002	A0A2D0SY85	A0A2D0QFL9	0	0	0	0	0.701	0.999	0.818	0.779	0.999
ENSPMAP00000000219	ENSPMAP00000008050	A0A2D0Q2S3	A0A2D0Q841	0	0	0	0	0	0.999	0.818	0.742	0.999
ENSPMAP00000002464	ENSPMAP00000008321	A0A2D0SF95	A0A2D0QKS2	0	0	0	0	0.142	0.802	0.907	0.922	0.999
ENSPMAP00000009227	ENSPMAP00000008924	A0A2D0PU15	A0A2D0PSX8	0	0	0	0	0.148	0.954	0.978	0.941	0.999
ENSPMAP00000005170	ENSPMAP00000008952	W5U6X2	W5UH77	0	0	0	0	0.38	0.996	0.967	0	0.999
ENSPMAP00000002468	ENSPMAP00000009795	A0A2D0Q322	W5U7M5	0	0	0	0	0.142	0.999	0.599	0.739	0.999
ENSPMAP00000005795	ENSPMAP00000009795	A0A2D0RR20	W5U7M5	0	0	0	0	0.58	0.999	0.599	0.883	0.999
ENSPMAP00000007966	ENSPMAP00000010507	A0A2D0PW54	A0A2D0S581	0	0	0	0	0.159	0.994	0.688	0.721	0.999
ENSPMAP00000006645	ENSPMAP00000004208	A0A2D0SSL4	W5UK79	0	0	0	0	0.274	0.66	0.599	0.974	0.997
ENSPMAP00000010307	ENSPMAP00000005795	A0A2D0T265	A0A2D0RR20	0	0	0	0	0.186	0.993	0	0.525	0.997
ENSPMAP00000005795	ENSPMAP00000006733	A0A2D0RR20	W5USQ0	0	0	0	0	0.125	0.978	0.798	0.223	0.997
ENSPMAP00000009937	ENSPMAP00000007791	A0A2D0S415	W5U691	0	0	0	0	0.308	0.847	0.836	0.823	0.997
ENSPMAP00000003650	ENSPMAP00000001926	A0A2D0SA67	Q207K5	0	0	0	0	0.149	0.95	0.92	0	0.996
ENSPMAP00000008952	ENSPMAP00000001926	W5UH77	Q207K5	0	0	0	0	0.469	0.95	0.81	0.219	0.996
ENSPMAP00000005170	ENSPMAP00000001926	W5U6X2	Q207K5	0	0	0	0	0.498	0.95	0.81	0	0.995
ENSPMAP00000006741	ENSPMAP00000007942	W5U6D0	A0A2D0Q7C3	0	0	0	0	0.277	0	0.915	0.921	0.995
ENSPMAP00000001708	ENSPMAP00000008077	A0A2D0QFI2	A0A2D0QMQ2	0	0	0	0	0.992	0	0	0.414	0.995
ENSPMAP00000009520	ENSPMAP00000009374	A0A2D0QAU5	E3TE89	0	0	0	0	0	0.934	0.823	0.557	0.994
ENSPMAP00000006507	ENSPMAP00000000892	W5U8W8	Q2EGN8	0	0	0	0	0.242	0.607	0.688	0.929	0.993

ENSPMAP000000010517	ENSPMAP000000004793	A0A2D0RMF9	A0A2D0R8Z1	0	0	0	0	0.099	0.194	0.978	0.61	0.993
ENSPMAP000000005347	ENSPMAP000000005965	Q4JI09	W5UA86	0	0	0	0	0.501	0.69	0.818	0.595	0.987
ENSPMAP000000003650	ENSPMAP000000005170	A0A2D0SA67	W5U6X2	0	0	0	0	0.503	0.95	0	0.426	0.984
ENSPMAP000000010307	ENSPMAP000000002468	A0A2D0T265	A0A2D0Q322	0	0	0	0	0.129	0.942	0	0.692	0.983
ENSPMAP000000003214	ENSPMAP000000005347	A0A2D0QU75	Q4JI09	0	0	0	0	0.926	0	0.614	0.231	0.976
ENSPMAP000000007966	ENSPMAP000000006932	A0A2D0PW54	A0A2D0Q638	0	0	0	0	0.289	0.768	0.818	0.277	0.975
ENSPMAP000000007966	ENSPMAP000000003721	A0A2D0PW54	A0A2D0QPU9	0	0	0	0	0.085	0.785	0.666	0.647	0.974
ENSPMAP000000009227	ENSPMAP000000007645	A0A2D0PU15	A0A2D0RMF5	0	0	0	0	0	0	0.81	0.813	0.963
ENSPMAP000000001107	ENSPMAP000000003214	A0A2D0PN16	A0A2D0QU75	0	0	0	0	0.852	0	0.599	0.408	0.962
PSMA5	ENSPMAP000000004806	W5U919	A0A2D0T9T5	0	0	0	0	0.355	0	0.927	0.264	0.962
ENSPMAP000000010507	ENSPMAP000000004689	A0A2D0S581	A0A2D0QUG8	0	0	0	0	0.164	0.504	0.603	0.779	0.959
ENSPMAP000000007645	ENSPMAP000000010136	A0A2D0RMF5	A0A2D0SUK0	0	0	0	0	0	0.691	0.817	0.332	0.959
ENSPMAP000000008385	ENSPMAP000000001989	A0A2D0PZ24	W5U6M2	0	0	0	0	0.165	0.609	0.735	0.545	0.955
ENSPMAP000000001107	ENSPMAP000000005965	A0A2D0PN16	W5UA86	0	0	0	0	0.669	0.803	0	0.35	0.954
ENSPMAP000000000636	ENSPMAP000000006741	E3TGC1	W5U6D0	0	0	0	0	0.283	0	0.939	0	0.954
PPP2R1A	ENSPMAP000000004806	A0A2D0RUD0	A0A2D0T9T5	0	0	0	0	0.628	0	0.818	0.338	0.951
ENSPMAP000000000144	ENSPMAP000000007432	W5UDR6	A0A2D0RJY2	0	0	0	0	0.283	0	0.86	0.513	0.947
ENSPMAP000000007966	ENSPMAP000000004689	A0A2D0PW54	A0A2D0QUG8	0	0	0	0	0.27	0.555	0.809	0.212	0.945
ENSPMAP000000008924	ENSPMAP000000009178	A0A2D0PSX8	A0A2D0SZV8	0	0	0	0	0.182	0.467	0.85	0.263	0.945
ENSPMAP000000004135	ENSPMAP000000008442	A0A2D0SCZ1	A0A2D0RKM8	0	0	0	0	0	0.65	0.738	0.416	0.942
ENSPMAP000000002468	ENSPMAP000000006733	A0A2D0Q322	W5USQ0	0	0	0	0	0	0.61	0.838	0.145	0.941
ENSPMAP000000009227	EPS15L1	A0A2D0PU15	A0A2D0RUC3	0	0	0	0	0	0.605	0.809	0.277	0.941
ENSPMAP000000007645	EPS15L1	A0A2D0RMF5	A0A2D0RUC3	0	0	0	0.285	0.096	0.671	0.744	0.415	0.94
ENSPMAP000000009431	ENSPMAP000000008924	A0A2D0SJ10	A0A2D0PSX8	0	0	0	0	0.167	0.63	0.741	0.337	0.94
ENSPMAP000000009227	ENSPMAP000000010136	A0A2D0PU15	A0A2D0SUK0	0	0	0	0	0	0.367	0.819	0.517	0.94
ENSPMAP000000007432	ENSPMAP000000001149	A0A2D0RJY2	A0A2D0QU17	0	0	0	0	0.286	0	0.863	0.407	0.937
ENSPMAP000000009227	ENSPMAP000000001441	A0A2D0PU15	A0A2D0S8P1	0	0	0	0	0	0.419	0.809	0.477	0.937
ENSPMAP000000001989	ENSPMAP000000005440	W5U6M2	A0A2D0RX29	0	0	0	0	0.375	0.378	0.813	0.219	0.936
ACTB	ENSPMAP000000008221	A0A2D0PVW4	A0A2D0SJI8	0	0	0	0	0.27	0.376	0.809	0.353	0.936
ENSPMAP000000005347	ENSPMAP000000000219	Q4JI09	A0A2D0Q2S3	0	0	0	0	0.403	0.895	0	0	0.935
EPS15L1	ENSPMAP000000010136	A0A2D0RUC3	A0A2D0SUK0	0	0	0	0	0.076	0.624	0.756	0.312	0.934
ENSPMAP000000005965	ENSPMAP000000000219	W5UA86	A0A2D0Q2S3	0	0	0	0	0.11	0.607	0.817	0	0.93
ENSPMAP000000004117	ENSPMAP000000001989	A0A2D0SIF0	W5U6M2	0	0	0	0	0.133	0.527	0	0.844	0.93

ENSPMAP00000001904	ENSPMAP000000006733	A0A2D0S9P2	W5USQ0	0	0	0	0	0	0.61	0.798	0.158	0.928
SEC24C	ENSPMAP000000001989	A0A2D0S8V6	W5U6M2	0	0	0	0	0.275	0.385	0.816	0.217	0.927
TUBA3C	ENSPMAP000000006830	W5UL61	A0A2D0SC81	0	0	0	0	0	0.648	0.734	0.262	0.925
ENSPMAP000000008599	ENSPMAP000000008321	A0A2D0R8Z4	A0A2D0QKS2	0	0	0	0	0.317	0.69	0.538	0.301	0.922
PPP2R1A	ENSPMAP000000001429	A0A2D0RUD0	A0A2D0R2L9	0	0	0	0	0.133	0.512	0.666	0.506	0.921
ENSPMAP000000005795	ENSPMAP0000000010567	A0A2D0RR20	A0A2D0QZJ3	0	0	0	0	0.292	0	0.869	0.201	0.919
ENSPMAP000000001149	ENSPMAP000000007754	A0A2D0QU17	A0A2D0PRY4	0	0	0.268	0.385	0.301	0	0.842	0.291	0.917
ENSPMAP000000006756	ENSPMAP000000002879	A0A2D0RBW6	W5UI78	0	0	0	0	0	0	0	0.916	0.916
ENSPMAP000000003214	ENSPMAP000000005965	A0A2D0QU75	W5UA86	0	0	0	0	0.607	0	0.614	0.491	0.916
ENSPMAP000000006645	ENSPMAP000000003231	A0A2D0SSL4	W5UC97	0	0	0	0	0.271	0.84	0	0.325	0.914
PSMA5	PPP2R1A	W5U919	A0A2D0RUD0	0	0	0	0	0.187	0.396	0.839	0	0.914
ENSPMAP000000007432	ENSPMAP000000007754	A0A2D0RJY2	A0A2D0PRY4	0	0	0	0	0.286	0	0.842	0.28	0.912
ENSPMAP000000004806	ENSPMAP000000003138	A0A2D0T9T5	A0A2D0R3X4	0	0	0	0	0.372	0	0.6	0.667	0.909
ENSPMAP000000004117	CYTH2	A0A2D0SIF0	A0A2D0SQ37	0	0	0	0.506	0	0	0.897	0.266	0.909
ENSPMAP000000002141	ENSPMAP000000001549	A0A2D0RBZ2	A0A2D0SCW8	0	0	0	0	0.145	0	0.86	0.292	0.908
ENSPMAP000000001107	ENSPMAP000000005347	A0A2D0PN16	Q4JI09	0	0	0	0	0.893	0	0	0.173	0.908
ENSPMAP000000008924	ENSPMAP000000001376	A0A2D0PSX8	A0A2D0SJ06	0	0	0	0.385	0.13	0.414	0.809	0.237	0.907
ENSPMAP000000007966	BAZ1A	A0A2D0PW54	A0A2D0RLQ4	0	0	0	0	0.146	0.578	0.734	0.137	0.906
ENSPMAP000000007966	ENSPMAP000000005472	A0A2D0PW54	W5U6I2	0	0	0	0	0.291	0.778	0	0.435	0.903
ENSPMAP000000008924	ENSPMAP000000009027	A0A2D0PSX8	A0A2D0PXL3	0	0	0	0	0.275	0	0.815	0.324	0.901
ENSPMAP000000001989	ENSPMAP000000006828	W5U6M2	A0A2D0RCN6	0	0	0.219	0.838	0.292	0.445	0.744	0.338	0.899
ENSPMAP000000008442	ENSPMAP000000008206	A0A2D0RKM8	A0A2D0PLY9	0	0	0	0	0	0.387	0.809	0.189	0.897
PSMA5	ENSPMAP0000000010145	W5U919	A0A2D0SWZ4	0	0	0	0	0.197	0.876	0	0	0.896
ENSPMAP000000002468	ENSPMAP000000004845	A0A2D0Q322	A0A2D0Q5E6	0	0	0	0	0.346	0	0.6	0.618	0.891
ACTB	ENSPMAP000000009227	A0A2D0PVW4	A0A2D0PU15	0	0	0	0	0	0.442	0.759	0.252	0.891
ENSPMAP000000002141	ENSPMAP000000003138	A0A2D0RBZ2	A0A2D0R3X4	0	0	0	0	0.166	0	0.85	0.193	0.89
ENSPMAP000000003196	ENSPMAP000000005440	A0A2D0SEI7	A0A2D0RX29	0	0	0	0	0.169	0.588	0.613	0.229	0.884
ENSPMAP000000009937	ENSPMAP000000005472	A0A2D0S415	W5U6I2	0	0	0	0	0.133	0	0.815	0.337	0.884
ENSPMAP000000001989	ENSPMAP000000003721	W5U6M2	A0A2D0QPU9	0	0	0	0	0.095	0.876	0	0	0.883
ENSPMAP000000005342	ENSPMAP000000005472	A0A2D0PZ78	W5U6I2	0	0	0	0	0.27	0.363	0.696	0.269	0.883
ENSPMAP000000009227	ENSPMAP000000009178	A0A2D0PU15	A0A2D0SZV8	0	0	0	0.39	0.134	0.286	0.729	0.576	0.88
ENSPMAP0000000010327	ENSPMAP000000005026	A0A2D0QZL3	A0A2D0RN69	0	0	0	0	0.297	0.8	0	0.21	0.879
ENSPMAP000000002230	ENSPMAP000000001989	W5UTW0	W5U6M2	0	0	0.139	0.376	0.273	0.38	0.697	0.231	0.878

ENSPMAP00000009227	ENSPMAP00000001376	A0A2D0PU15	A0A2D0SJ06	0	0	0	0.391	0.271	0	0.809	0.281	0.877
ENSPMAP00000003214	ENSPMAP00000006115	A0A2D0QU75	E3TGN0	0	0	0	0	0.395	0.8	0	0	0.874
ENSPMAP00000006507	ENSPMAP00000007263	W5U8W8	A0A2D0RI89	0	0	0	0	0	0	0.86	0.136	0.874
ENSPMAP00000003650	ENSPMAP00000008952	A0A2D0SA67	W5UH77	0	0	0	0	0.32	0.821	0	0	0.873
ENSPMAP00000002464	ENSPMAP00000000219	A0A2D0SF95	A0A2D0Q2S3	0	0	0	0	0.158	0.411	0.615	0.397	0.869
ENSPMAP000000010434	ENSPMAP000000001904	A0A2D0T789	A0A2D0S9P2	0	0	0	0	0.337	0.715	0	0.357	0.868
ENSPMAP00000004237	ENSPMAP000000008321	A0A2D0S5T1	A0A2D0QKS2	0	0	0	0	0.169	0.591	0	0.643	0.868
ENSPMAP000000007966	ENSPMAP000000008597	A0A2D0PW54	A0A2D0QPP0	0	0	0	0	0.275	0	0.817	0	0.862
ENSPMAP000000007658	ENSPMAP000000006449	A0A2D0T2D4	A0A2D0QEF9	0	0	0	0	0.136	0.232	0	0.807	0.861
ENSPMAP000000005472	ENSPMAP000000004499	W5U6I2	A0A2D0QAA7	0	0	0	0	0.288	0	0.809	0	0.858