

Supplemental file 1

Gene Name	Ensembl ID	Stob_4b_H	Stob_7b_H	Stob_11b_	Stob_15b_	Stob_5b_H	Stob_6b_H
No Know Protein	ENSG00000003402	1.904994	4.385836	3.951568	3.482052	2.535173	4.051902
No Know Protein	ENSG00000010610	1.764211	3.210725	3.943274	3.295115	3.468204	2.229702
NPC1L1	ENSG00000015520	2.656872	3.796627	1.947652	2.987368	3.145371	4.963781
CNTN1	ENSG00000018236	3.095739	3.031017	3.698424	3.174093	3.548819	2.548159
MRE11A	ENSG00000020922	4.201374	3.211796	3.489507	3.511329	3.403861	3.959815
OSBPL5	ENSG00000021762	3.669265	3.173315	2.345421	4.428369	2.68571	4.360942
ABCC2	ENSG00000023839	4.690298	6.077605	5.581033	5.421246	5.783863	5.808537
ELN	ENSG00000049540	3.794791	6.362086	7.483618	6.757462	5.605826	5.12839
DMRT3	ENSG00000064218	4.91649	4.64308	5.487857	5.793213	5.206725	5.157952
PANX2	ENSG00000073150	4.102733	3.796627	3.22377	4.849047	2.451346	3.79497
SIGLEC1	ENSG00000088827	4.00775	5.523088	5.152507	5.913761	5.267594	4.223925
No Know Protein	ENSG00000089820	3.792629	4.823126	4.079087	4.966555	5.141604	4.757833
BLNK	ENSG00000095585	2.072264	4.212491	4.333202	3.666953	4.454311	2.290949
CCDC113	ENSG00000103021	4.897037	4.700487	4.894987	4.581313	5.460836	4.612953
HOXA3	ENSG00000105997	4.197967	4.522756	5.829768	4.530585	5.440954	6.072725
No Know Protein	ENSG00000106366	2.527888	3.653301	1.923921	2.339675	3.469157	2.477816
MDN1	ENSG00000112159	3.034728	3.562096	3.659002	4.708552	4.226749	2.57469
TFEB	ENSG00000112561	3.156751	2.774476	3.226693	2.112202	1.309902	5.154845
MORC1	ENSG00000114487	3.945362	3.302707	2.877416	2.498904	4.365914	3.314687
PRG4	ENSG00000116690	4.556383	7.176155	5.101435	7.064308	5.981055	5.476393
KIAA1622	ENSG00000119698	2.522608	1.87422	2.601273	3.214202	2.141768	2.302365
TBX4	ENSG00000121075	5.127703	5.035704	4.828046	3.365567	5.095303	6.032211
No Know Protein	ENSG00000122121	5.014194	5.600215	4.380322	5.657265	5.401838	4.779116
DNAI1	ENSG00000122735	5.224178	5.404496	4.652856	4.486101	4.192515	3.730359
CALD1	ENSG00000122786	3.150175	2.847514	4.285627	3.613631	2.69957	4.951966
F13A1	ENSG00000124491	8.132273	9.370006	9.364108	9.830782	9.621268	9.004704

WDFY4	ENSG00000128815	2.53233	3.420511	3.11133	3.254924	2.32025	2.340838
CNGA4	ENSG00000132259	3.706173	2.696054	2.388839	3.615642	3.46216	3.030135
SCN7A	ENSG00000136546	2.794775	2.700642	1.981937	3.060586	1.933778	1.894586
SMC2	ENSG00000136824	2.033947	2.932858	4.339783	3.969121	4.068232	3.908953
NCBP1	ENSG00000136937	5.531939	5.201167	6.023277	5.851436	5.648304	5.908408
MYO7A	ENSG00000137474	5.128065	4.371737	4.919392	4.383018	5.032747	4.328921
SORL1	ENSG00000137642	5.109922	5.309692	5.260001	4.479715	4.346154	4.884232
DUOX1	ENSG00000137857	4.629466	5.434266	5.399647	6.063739	4.286957	4.916402
CYP1B1	ENSG00000138061	4.48919	6.28447	5.710601	5.671504	6.2506	6.024417
No Know Protein	ENSG00000138119	4.552639	6.082775	4.082719	5.917199	4.106755	3.9986
No Know Protein	ENSG00000140538	6.200378	4.653266	4.754058	4.24211	5.32635	5.776096
GATA6	ENSG00000141448	4.299962	5.582885	5.576902	5.133766	5.208356	3.962272
MAPK4	ENSG00000141639	5.308405	3.302707	4.08095	3.527891	4.318915	4.599063
No Know Protein	ENSG00000144648	3.85235	3.206431	4.434292	4.564029	4.144939	2.926733
No Know Protein	ENSG00000145536	4.378077	5.53952	5.65494	6.443882	5.220432	5.05507
No Know Protein	ENSG00000151929	3.338211	4.638033	3.930853	4.360278	4.345055	3.697154
ZIC1	ENSG00000152977	3.172884	3.375427	2.731924	3.090269	2.953281	2.74112
LGI2	ENSG00000153012	2.404775	5.052548	3.482827	3.947586	2.681976	4.333267
CHODL	ENSG00000154645	2.293503	2.209341	2.490895	2.278937	2.242325	2.331902
RHOC	ENSG00000155366	4.223521	4.563121	5.124799	5.505307	4.862643	5.389239
No Know Protein	ENSG00000155657	3.544376	3.47661	4.094804	4.53293	3.79772	3.745308
No Know Protein	ENSG00000155659	3.791201	6.228934	6.070262	6.413504	5.8308	5.266365
SPAG17	ENSG00000155761	3.231198	4.755343	3.646605	4.116496	3.362567	4.643316
No Know Protein	ENSG00000155926	4.365699	5.535615	4.963825	4.53855	5.17545	4.289977
No Know Protein	ENSG00000158062	3.330628	3.86005	3.458174	4.33961	4.488491	3.446194
No Know Protein	ENSG00000164023	5.56215	5.647823	6.308698	6.606853	5.85844	5.950629
PITX2	ENSG00000164093	5.528798	5.011594	5.706637	5.542145	6.02734	5.435854
FNDC1	ENSG00000164694	4.211213	4.79684	5.427722	5.78156	5.417684	5.651512

ADCY1	ENSG00000164742	3.984331	5.121836	3.52779	3.19913	5.274004	4.511014
No Know Protein	ENSG00000165028	6.040934	5.811829	7.195752	5.638461	6.535346	6.791236
FOLR2	ENSG00000165457	5.490414	7.121902	6.784622	6.934891	6.88414	6.283274
No Know Protein	ENSG00000166501	3.156227	4.498072	3.767685	4.263773	3.575846	3.655146
KIR3DL1	ENSG00000167633	4.202874	3.0473	4.135085	3.056572	2.995912	2.743656
AXIN2	ENSG00000168646	5.653502	6.628345	6.829315	6.564764	6.334571	6.57505
MARCH3	ENSG00000173926	3.814941	4.167005	2.625356	4.742575	3.956428	4.714303
EDG5	ENSG00000175898	3.729435	5.404571	3.924501	4.902445	5.527279	5.048616
ALX1	ENSG00000180318	3.866906	3.377338	4.813612	4.148414	4.893887	3.848555
No Know Protein	ENSG00000181007	4.733973	3.432823	3.145371	2.393924	4.113741	3.088592
CCL13	ENSG00000181374	8.009509	7.621365	7.436957	7.823259	8.126241	7.851955
SEPT9	ENSG00000184640	4.478747	4.459269	3.94708	4.468203	3.766431	4.299041
No Know Protein	ENSG00000185652	3.652545	4.005589	1.68133	3.951305	2.014436	2.509443
TMEM195	ENSG00000187546	3.832767	3.789452	3.673208	3.973672	3.932783	5.194784
No Know Protein	ENSG00000189058	4.405808	4.660495	5.000325	4.977622	4.168536	4.239285
No Know Protein	ENSG00000196118	2.656872	3.908953	2.09816	1.624897	2.535283	2.00007
No Know Protein	ENSG00000196154	4.267093	3.612486	2.232261	3.499288	3.336288	2.544649
No Know Protein	ENSG00000198518	5.692121	6.161181	6.942914	5.753161	6.495145	6.462196
SUCNR1	ENSG00000198829	1.973695	3.360459	3.399412	3.682957	3.531518	3.148953
CR1	ENSG00000203710	3.951783	5.546408	5.592908	5.740066	5.283235	4.009693
No Know Protein	ENSG00000203858	5.412259	5.360422	3.721676	5.713609	3.936616	5.618123
No Know Protein	ENSG00000224086	5.331671	4.717739	5.277426	5.320735	5.014381	5.511929
No Know Protein	ENSG00000227486	3.034728	2.17115	2.177437	3.214202	3.591409	3.316009
No Know Protein	ENSG00000228486	4.629621	6.13899	5.218716	5.176679	4.606337	6.296757
No Know Protein	ENSG00000230890	4.660312	3.136063	3.201211	3.235075	3.333384	4.283006
No Know Protein	ENSG00000234382	4.223521	3.676932	3.950879	3.585392	4.332737	3.206729
No Know Protein	ENSG00000234840	2.64373	3.098162	4.276488	3.333637	2.606755	4.434066
No Know Protein	ENSG00000240800	4.007523	6.104494	4.930501	5.015281	3.121117	5.526567

No Know Protein ENSG00000244542 7.951473 6.772668 6.185324 6.176063 4.878229 7.902351

Stob_14b_	Stob_16b_	Stob_17b_	Stob_4d_H	Stob_7d_H	Stob_15d_	Stob_11f_	Stob_9a_H	Stob_10a_	Stob_10a_
4.8367	4.038828	4.84514	3.362329	2.223149	3.712515	2.504171	4.807832	4.476173	
3.657048	2.479048	3.273357	2.443071	2.239997	3.856907	2.277111	2.059043	2.390611	
4.107366	4.207873	5.237832	3.381403	2.995083	3.570424	2.080387	3.684523	4.925807	
4.366284	2.758846	3.439027	3.4895	3.413495	2.316055	2.690273	4.289582	2.932567	
4.656302	4.461021	3.047875	3.050876	2.443371	3.306113	3.045579	4.17188	5.341684	
3.130852	4.539835	4.18283	4.728084	4.67567	2.018782	2.964596	2.645312	2.007689	
6.596146	5.308378	5.560705	5.311768	4.852343	5.847336	4.8041	4.753803	4.187187	
5.311903	4.995956	5.021902	4.577975	5.02382	5.465494	6.317166	3.171867	3.647274	
5.146726	4.924908	4.840297	4.682416	4.149581	5.894663	5.723904	3.181515	3.466436	
4.237516	3.967468	4.261036	4.121892	5.295832	3.385621	4.182198	2.961122	2.705647	
4.246002	5.081681	5.612107	3.557491	4.45952	5.316194	4.653593	3.082384	3.627917	
5.255727	5.160184	5.651675	4.960135	4.395052	4.805863	5.065719	4.265566	3.386942	
3.221544	3.756557	4.069957	2.412067	2.704135	3.029564	3.285444	1.620418	1.951776	
4.134404	3.903905	4.174088	3.252709	4.653305	3.998861	4.763641	3.822416	2.90322	
5.619396	5.243325	5.777376	5.832605	3.254547	5.935884	5.568009	4.013495	4.620458	
3.091783	3.419358	3.995443	2.194762	3.570504	2.834359	3.567705	2.840732	1.986308	
2.659143	2.522608	1.684258	5.379479	3.907466	3.126646	3.047967	1.88321	3.403605	
2.581578	4.683992	3.5842	3.738727	2.57469	4.622101	3.832275	4.898507	5.401107	
4.472326	2.254895	2.652991	3.228143	3.083036	3.079281	2.79814	3.224114	3.700629	
5.044412	5.995959	6.871002	5.898911	5.379852	7.857574	5.372726	4.184777	4.520852	
3.925753	3.234329	2.23772	1.249677	2.772437	3.126646	2.868511	3.961903	4.430895	
4.834091	4.394648	4.680862	5.672645	4.953244	3.682165	4.454277	3.243826	3.501718	
5.021139	5.729623	5.981188	5.295825	4.400944	5.334658	4.153185	2.840661	3.944059	
2.857955	5.191241	3.00117	4.313303	3.288617	3.9613	4.910134	3.557489	2.815444	
3.060582	3.45379	3.879	3.490332	3.595012	3.162654	3.03298	3.493042	4.560093	
8.852417	9.268825	9.898358	8.672095	8.698644	9.673082	8.680534	7.452909	7.591612	

3.197941	3.075653	2.831577	2.784619	3.093704	3.084199	1.837642	1.856016	1.942465
4.876358	2.489027	3.095631	2.259148	3.694708	3.528463	3.448343	2.467497	2.775303
2.134376	1.92388	1.984684	3.438962	2.846683	2.390879	2.324743	4.180933	3.561001
3.964219	3.829988	2.57737	2.995587	2.29892	2.801352	3.53312	2.683984	1.779922
5.856858	5.674311	5.178122	5.918295	6.359415	5.328381	5.682877	3.589136	4.071027
4.139833	5.188269	4.877743	4.685133	5.717844	5.205485	4.535296	2.557202	4.158254
5.620197	4.175028	5.659255	5.117695	3.874739	4.833157	5.364491	3.682462	4.491321
5.337478	5.238511	5.553176	4.925669	4.291568	5.770281	4.844766	3.943494	3.646146
5.265954	6.500978	6.279005	6.242242	4.660534	5.190389	5.642491	3.666994	4.258518
5.48721	3.644024	4.524062	5.724756	3.449829	6.45809	4.405863	6.209193	5.759956
6.766999	3.797967	4.713391	6.526093	5.257461	3.57184	4.562688	6.714749	6.729904
5.368377	4.89539	4.036966	5.460728	4.726857	3.986517	5.351872	4.074993	3.665133
3.974931	2.96925	3.814678	4.087488	3.711453	3.168417	4.243993	3.28986	2.870343
3.749968	4.41818	3.158768	3.600149	4.749476	5.141657	3.362764	2.707976	2.808491
4.969028	4.558576	5.054454	5.759491	4.668363	5.527956	4.60477	3.356672	4.438588
4.314837	4.198898	4.54264	4.37844	3.847754	4.75685	4.664693	3.538713	2.660265
2.61725	2.40837	2.428422	3.311967	3.321512	2.83967	2.808929	5.337994	4.390736
2.929464	4.361084	4.382866	2.614043	2.59338	3.256376	3.605752	2.000597	2.454015
3.865776	2.011832	2.933719	2.706494	2.187786	2.584072	2.163202	4.494489	4.900422
4.331185	4.461021	5.448415	3.249731	5.156602	4.827896	4.723876	3.489507	2.905207
3.815184	4.206766	4.458948	2.502459	2.872647	3.924912	3.831587	2.931567	3.103954
5.02923	5.237023	5.563798	4.710563	4.653224	5.958927	5.480105	3.878967	3.835825
4.947777	5.411804	4.814455	3.909359	3.363478	3.850382	3.822427	2.89266	3.03279
4.783977	4.556749	5.976385	3.120804	4.793915	3.458232	3.973106	3.567281	3.282018
3.95879	3.55162	5.130548	3.047466	3.935026	4.232492	3.052629	2.25852	2.484643
6.255132	5.904005	6.509279	6.70097	5.948824	6.071727	6.359459	4.918744	4.678725
5.475603	4.437611	5.118178	5.19654	5.453804	5.484837	5.212841	3.961991	3.245076
5.356045	5.646138	5.366026	5.562882	3.408949	5.867027	5.680945	4.076756	3.420449

4.389414	3.78181	5.332897	4.41836	4.44099	3.92875	4.609156	3.503073	3.375004
7.764277	6.101544	5.570272	7.068954	4.590294	5.083842	6.43734	8.427495	7.395744
5.606004	6.554611	6.893127	5.371161	5.604627	7.353981	6.362012	4.527222	5.01532
3.486397	4.154029	5.125374	3.314937	4.037929	4.246378	2.915299	2.911113	2.554351
3.196186	3.007207	3.656478	3.177635	3.488497	3.784056	3.217847	3.796532	3.577837
5.349273	5.351859	5.223522	6.454848	5.694775	5.938253	7.354686	4.118643	4.468318
4.200808	3.077808	4.273301	4.558531	2.899703	4.588319	4.437048	2.789769	2.85373
4.908438	5.838213	4.496621	4.809696	5.702135	4.527774	4.20768	2.939218	3.471391
3.743371	3.500788	4.383519	4.942307	3.573992	4.314309	3.987381	2.347663	2.495536
4.221987	4.539835	3.5842	2.614609	2.168146	2.667057	4.130532	1.88321	1.739394
7.126568	7.585862	8.050308	7.837312	8.186154	7.897505	7.073064	6.660513	6.152814
3.665897	3.899641	4.13301	4.485802	4.209715	3.68706	4.401281	3.186684	2.329435
3.04098	3.414804	2.447186	4.752486	2.20123	3.826332	3.015501	5.996596	5.881791
5.400145	4.450858	4.740315	5.088125	3.318659	3.305072	3.681473	5.114816	5.666951
5.648911	4.199525	5.062672	4.560244	3.590568	4.293429	4.525725	5.930491	5.50024
2.145845	3.12014	3.01579	2.744261	2.06235	3.214202	2.00007	4.359428	4.79639
2.511761	3.819887	3.829264	2.571241	4.474404	3.685724	2.990222	1.840908	2.10668
6.263688	6.359841	6.425327	6.333792	4.528942	5.661457	5.659473	4.544562	5.189522
2.627903	3.003282	3.009958	2.855278	1.674547	2.355005	2.334797	4.648929	3.997215
5.04554	4.949437	6.4057	4.617954	4.543333	5.679867	4.540691	2.941955	3.423465
3.912694	5.618197	4.56908	4.461379	5.20279	4.313397	5.18927	4.009621	2.906064
4.212948	5.432739	5.80562	4.667627	5.316351	5.441783	6.174279	3.046317	4.910344
2.003012	3.473915	3.228297	4.053071	3.451079	2.856366	2.674866	1.65245	2.432716
6.157595	5.391571	6.173124	4.899308	4.537226	4.875095	5.798386	6.533	7.095718
3.478364	3.62772	3.119042	3.411351	4.5801	4.230225	3.664472	4.641143	3.81242
4.537137	4.292965	3.514335	4.505056	4.882789	4.827896	4.770728	2.527752	2.540655
4.124942	4.749132	4.52813	2.608845	2.948924	3.517134	3.17161	5.35515	4.964141
6.194809	4.69074	5.660188	4.723345	5.004983	4.621665	5.017463	5.983661	6.5776

8.152751 6.809246 6.773634 7.608995 5.944276 6.249314 6.72487 5.020707 5.437967

Stob_12a_I	Stob_9c_H	Stob_10c_I	Stob_11c_I	Stob_4e_H	Stob_7e_H	Stob_15e_I	pValue	qValue
4.299954	4.54746	5.31442	4.75582	3.609722	4.894402	5.247635	0.002131	0.038782
1.663616	2.277265	2.117181	2.029657	1.826567	2.33038	2.810859	0.003589	0.047393
4.490076	4.187989	4.228402	4.687644	4.474645	5.695018	4.912423	0.003327	0.047129
4.830482	3.606325	4.295127	4.509626	3.665699	3.798852	4.26796	0.003669	0.047393
4.886819	3.612244	4.799746	4.587767	3.730991	5.95327	4.774327	0.001983	0.038782
2.170352	2.385371	2.381717	2.381717	2.665044	2.728673	2.522608	0.000706	0.02481
5.23459	3.971953	5.220786	4.554981	4.539422	3.235036	5.39207	0.003918	0.049027
3.326929	3.887778	5.583806	4.60354	4.363989	3.0236	5.336941	0.002896	0.046229
3.3343	3.777106	3.27803	3.146691	3.271947	3.252413	4.048985	4.78E-09	4.87E-06
3.734201	4.112397	2.646518	2.556704	2.712442	2.517797	3.062661	0.001877	0.038782
3.551305	4.599506	3.466496	2.914788	3.441174	4.938085	4.082912	0.001654	0.038782
4.746715	3.732565	3.539751	4.048469	2.96403	3.815157	4.039399	0.000322	0.018439
2.327411	2.02717	2.344392	2.009781	1.785409	2.475181	2.927904	0.000243	0.018439
4.018259	3.448713	3.68478	4.580244	3.135269	3.267591	3.407176	0.001204	0.032299
4.033554	2.816095	4.767692	3.37822	2.598425	3.224361	3.86872	0.000312	0.018439
1.441626	1.772681	1.822181	2.302185	2.435251	1.947622	3.048946	0.003945	0.049027
2.258249	2.131687	2.022945	1.503908	1.755826	2.069957	2.751636	0.002031	0.038782
4.331185	5.673082	4.570356	5.288268	3.553923	4.233345	5.860641	0.000928	0.029547
4.473098	4.905626	4.531125	4.533522	3.985617	4.509542	3.680697	0.001755	0.038782
3.407344	4.716346	4.724292	4.358246	3.716	6.30721	5.706938	0.003692	0.047393
3.44938	4.452753	3.340377	2.868511	3.473915	4.866937	4.219642	0.000338	0.018439
2.925327	3.899039	3.294339	4.047526	4.203825	3.126588	3.508532	5.77E-05	0.011083
3.703287	4.195903	3.605376	3.866107	4.617377	4.734874	4.72161	0.000577	0.023809
3.335105	2.488206	3.212677	4.073074	3.26588	2.933132	2.73497	0.001075	0.031748
4.713545	5.01401	4.874598	4.609114	4.054945	3.783767	5.071344	0.001041	0.031748
7.550644	8.808434	8.357505	8.137992	7.783866	8.493977	9.556467	0.003299	0.047129

1.970073	2.792436	1.976114	1.797197	2.103134	2.046891	1.903833	7.90E-05	0.011083
2.178509	2.947281	2.254727	2.446726	2.230194	2.371647	2.528225	0.002051	0.038782
3.597338	2.688762	3.945978	3.524206	3.028862	2.992915	2.296455	0.002367	0.041586
2.311248	3.407614	2.608656	2.503508	1.740083	2.36075	2.256691	0.002595	0.044466
5.319775	4.328088	3.743835	5.288268	5.304029	4.625837	5.456237	0.002072	0.038782
3.778692	3.572588	3.889202	3.007344	3.203122	4.681521	4.494789	0.001153	0.031748
4.955276	3.807843	3.356009	3.931954	4.192274	4.065564	3.795781	0.000682	0.02481
4.110078	3.762259	4.487241	4.925136	4.626269	3.39302	3.988657	0.000202	0.017112
4.839692	3.876119	4.87893	4.452639	5.034068	4.996954	4.726071	0.000103	0.011083
6.296364	6.259821	6.282956	5.414348	6.047476	4.758972	6.145611	0.003213	0.047129
6.318055	5.897808	6.679394	5.693068	7.360333	6.196167	6.424765	0.000521	0.023095
4.592105	3.301812	4.793224	4.333117	3.383481	4.44246	3.464602	0.002693	0.044466
2.506633	2.928095	2.171911	2.086681	3.781775	3.813262	3.042586	0.001965	0.038782
2.510167	2.906738	3.138146	2.495804	2.44333	4.037696	3.751	0.001862	0.038782
3.824935	4.465933	5.368947	3.978788	3.594411	4.359859	4.127087	0.000909	0.029547
3.075305	2.973215	2.795821	3.01585	2.784999	4.166932	4.001046	0.000362	0.018439
3.523354	5.373968	4.53738	3.001882	5.071593	4.286121	6.247001	0.000652	0.024592
2.236891	1.99988	2.636593	2.518887	2.142951	2.976976	3.422368	0.00185	0.038782
4.075755	5.297904	4.33733	3.321659	3.405748	3.655022	3.357914	5.59E-05	0.011083
4.41292	4.144466	3.263279	3.079612	4.41842	1.854928	4.440551	0.00358	0.047393
2.834068	3.007761	2.70798	2.806866	2.53022	2.731643	3.66314	0.000353	0.018439
3.886671	4.39746	4.479886	4.672562	4.060054	5.394856	5.410372	0.003721	0.047393
2.875069	2.553946	3.255132	3.498489	3.127968	3.275952	3.077819	0.000109	0.011083
4.58129	3.49119	3.430342	3.441204	3.345073	4.02334	3.630638	0.001727	0.038782
2.440285	2.613215	3.517338	2.721657	2.88029	2.614586	3.357668	9.13E-05	0.011083
4.468289	5.455998	5.968469	5.056919	4.517919	5.509074	6.345628	0.002705	0.044466
3.549908	4.593868	4.027079	4.519558	5.367966	4.253605	4.411616	0.000346	0.018439
3.672089	5.53816	3.945748	4.847522	3.182674	3.99538	4.550195	0.002632	0.044466

3.065119	3.025689	3.791738	4.27944	3.293423	3.941204	3.17987	0.00145	0.037881
7.650719	8.27771	7.605398	7.293428	6.724635	6.856532	6.135278	0.003088	0.046972
5.067037	5.841453	5.310446	5.45904	5.357167	6.123792	6.528377	0.00333	0.047129
3.449215	2.609199	2.237146	2.623747	3.591631	2.564537	4.13058	0.003646	0.047393
4.281237	4.213133	4.179932	4.230502	3.706637	4.890557	4.792874	0.000584	0.023809
5.067807	4.792822	5.794899	5.948708	5.1303	5.858717	4.848488	0.001777	0.038782
2.137978	2.589921	3.27528	3.968303	3.825998	2.748647	3.34185	0.003069	0.046972
4.539417	3.170892	3.868963	3.846588	3.48353	4.676445	4.717329	0.00291	0.046229
2.710918	2.663164	2.852923	3.293189	2.528937	2.372598	2.874597	1.41E-07	7.18E-05
3.44938	1.941067	2.166751	2.789244	2.364248	2.728673	2.905207	0.00327	0.047129
6.447405	7.015607	6.261301	6.41279	7.182043	7.120108	7.815206	0.000469	0.021721
3.418183	3.04708	3.677924	3.141103	3.8929	2.385703	4.069874	0.001705	0.038782
3.857964	5.229589	5.549508	3.408776	5.10534	6.008133	6.200568	9.57E-05	0.011083
5.267533	5.969597	5.471467	4.810625	4.450023	5.57706	4.979074	0.000395	0.019184
6.498978	5.76813	5.380922	5.629272	4.636545	5.217408	5.535186	0.00029	0.018439
3.971171	3.782602	2.601273	2.868511	3.229592	3.607573	3.453072	0.001858	0.038782
2.926992	2.183338	2.588327	2.401332	3.089783	3.062856	2.281624	0.002949	0.046229
4.668066	5.105224	5.631062	5.891551	5.264019	4.962728	5.445893	0.000848	0.028814
3.376103	4.399314	5.033025	4.01652	2.74126	3.605698	3.358156	0.002365	0.041586
4.189812	3.435716	4.229646	3.723917	3.066362	4.713101	4.988163	0.001135	0.031748
4.735252	3.107377	4.117871	3.556076	4.074793	3.817339	4.6681	0.00357	0.047393
5.045851	4.073665	3.996964	5.192179	4.311304	3.955896	4.443269	0.003593	0.047393
2.170352	1.682678	1.662443	1.876805	1.880315	1.854928	2.905207	0.000197	0.017112
5.656162	6.631941	7.516193	6.599055	5.313535	6.261014	6.216807	0.002103	0.038782
4.497674	4.217337	4.343713	4.608304	4.568287	4.050586	5.197471	0.001496	0.038114
3.44938	3.782602	2.381717	3.225445	3.392072	2.728673	2.594638	4.04E-05	0.011083
5.16324	5.719735	5.148194	3.166462	3.501269	4.777057	4.795206	0.00404	0.049602
5.309144	7.178554	6.726482	5.804805	5.577756	6.263011	6.29765	0.000635	0.024592

5.260379 5.660525 4.823267 5.428987 6.554284 6.054793 5.912025 0.001106 0.031748

Supplemental file 2

Gene Name	Ensembl ID	Stob_4b_H	Stob_7b_H	Stob_11b_	Stob_15b_	Stob_5b_H
SKAP2	ENSG00000005020	5.656422	6.620346	7.417006	6.587362	7.003839
ODZ1	ENSG00000009694	3.898114	5.082641	5.000266	5.410931	4.454259
No Know Protein	ENSG00000010072	3.724306	5.124585	5.485728	4.418491	5.339903
DYRK4	ENSG00000010219	5.773549	6.518142	6.276362	6.097714	6.049651
CPS1	ENSG00000021826	5.005619	4.874712	5.727527	4.80442	5.386581
LSG1	ENSG00000041802	4.128747	5.201167	4.092615	3.145371	5.984675
TDP1	ENSG00000042088	4.654347	5.091598	4.248439	4.828263	4.730941
No Know Protein	ENSG00000053438	8.751137	9.782485	7.868191	9.372171	8.815805
GALC	ENSG00000054983	3.03264	4.255952	5.255607	3.137844	3.879792
No Know Protein	ENSG00000062716	3.025678	3.878859	4.353672	4.177864	4.525424
DMRT3	ENSG00000064218	5.282354	5.023144	5.744242	6.103387	5.697978
FGF10	ENSG00000070193	4.055231	5.519159	5.923353	5.527115	3.837053
OSBPL3	ENSG00000070882	2.706457	5.097132	4.758805	5.378922	3.642925
TRHDE	ENSG00000072657	5.353002	6.016119	6.486069	5.694402	6.502914
CTTNBP2	ENSG00000077063	4.982785	6.216702	6.293237	6.288236	6.309364
AMPH	ENSG00000078053	3.215422	3.31697	2.548343	3.753624	4.03976
FAP	ENSG00000078098	2.931311	4.256309	4.029607	4.22114	4.252448
TNS1	ENSG00000079308	4.868423	5.084712	5.440988	5.467643	6.033583
MAGI3	ENSG00000081026	4.34026	6.178559	6.144229	6.122447	5.631074
COL19A1	ENSG00000082293	4.36335	3.346764	2.677367	2.814959	4.435949
TMEM40	ENSG00000088726	1.724329	2.774476	1.604296	3.659002	3.869185
SIGLEC1	ENSG00000088827	3.281971	5.561118	5.24962	5.974177	5.364232
MRPS33	ENSG00000090263	2.620857	5.926302	5.522259	5.16821	5.41293
CD209	ENSG00000090659	4.023268	5.485682	5.46472	5.615611	5.664465
No Know Protein	ENSG00000100418	4.781427	4.784633	4.920088	4.270032	4.716869
C14orf145	ENSG00000100629	2.739739	4.01469	5.003091	3.433114	3.190205
PAPLN	ENSG00000100767	5.355509	5.517532	5.051537	5.210062	4.126614
RNF24	ENSG00000101236	7.353314	8.414352	6.923747	7.58739	6.607611
RNF125	ENSG00000101695	4.355199	5.53343	6.043853	5.018366	5.573414
GPR143	ENSG00000101850	2.429549	2.608828	1.775492	2.354818	2.395822
SRPX	ENSG00000101955	5.170788	6.392725	6.067709	6.063479	6.530759
ASB9	ENSG00000102048	4.058281	3.24679	3.490402	3.817845	3.821626
CCDC113	ENSG00000103021	4.897037	4.700487	4.894987	4.581313	5.460836
No Know Protein	ENSG00000103042	3.262457	4.779692	4.734001	4.727945	3.519532
MON1B	ENSG00000103111	4.528998	5.707273	5.633808	4.914608	5.686947
No Know Protein	ENSG00000103496	5.222686	6.909723	7.088628	6.424591	6.345458
MTFMT	ENSG00000103707	3.877735	4.03406	4.816854	2.720084	3.075809
No Know Protein	ENSG00000104447	5.071537	5.0163	4.806207	5.329359	5.321138
CCDC94	ENSG00000105248	5.599516	4.702284	4.367075	4.569442	4.586326
No Know Protein	ENSG00000105329	4.934675	7.324711	6.630136	6.345052	6.665045
No Know Protein	ENSG00000105792	2.067146	3.385923	3.608909	3.409832	3.589662
HOXA3	ENSG00000105997	5.204481	5.921738	6.696495	6.387879	6.133633
URG4	ENSG00000106608	5.678364	6.918079	6.715492	6.20817	6.757029
No Know Protein	ENSG00000107282	5.552477	5.685756	4.975841	4.496249	5.522755
CUBN	ENSG00000107611	3.859548	4.290558	4.736698	4.510961	4.475081

No Know Protein	ENSG00000109332	5.330109	5.038464	3.960001	5.13508	4.939938
No Know Protein	ENSG00000109610	7.073256	7.84927	7.403777	7.419077	7.97187
PPARGC1A	ENSG00000109819	3.424305	2.774476	5.194332	3.442978	4.532386
No Know Protein	ENSG00000112812	3.156751	4.85251	3.309977	4.479434	2.264607
No Know Protein	ENSG00000112936	4.346079	6.040133	5.310389	6.970751	6.351253
GNPDA1	ENSG00000113552	4.236908	5.518604	6.206971	5.288387	5.49723
BNIP1	ENSG00000113734	3.743168	3.668798	5.169985	3.344324	3.673424
CNTN3	ENSG00000113805	2.899219	5.169943	5.167397	4.340148	4.528229
IFT57	ENSG00000114446	2.509944	4.78818	4.873536	4.058346	4.012241
MORC1	ENSG00000114487	3.945362	3.302707	2.877416	2.498904	4.365914
LOC729843	ENSG00000115274	4.164651	3.803091	3.768946	3.511329	5.009787
DHCR24	ENSG00000116133	7.355493	7.478421	8.277643	8.02057	8.346904
ANGPTL1	ENSG00000116194	5.078245	6.423771	6.392565	5.662876	6.135611
No Know Protein	ENSG00000116641	4.024306	3.173315	4.339683	4.15338	5.201167
No Know Protein	ENSG00000116701	3.91493	5.56613	5.769556	5.595985	6.104378
No Know Protein	ENSG00000116729	3.420824	4.366533	5.526149	4.437177	4.115019
RARRES1	ENSG00000118849	3.682428	5.84285	5.898292	5.435224	5.740162
PPL	ENSG00000118898	4.992126	6.362298	5.594996	4.960796	5.836788
No Know Protein	ENSG00000118990	6.647784	6.370277	6.127672	6.343931	7.04993
KIAA1622	ENSG00000119698	4.442072	3.157919	3.548712	4.194036	3.361733
UTP20	ENSG00000120800	3.302055	5.147796	4.275368	2.250773	3.306113
TBX4	ENSG00000121075	5.594662	5.357722	4.937508	3.956663	5.245739
PDZRN3	ENSG00000121440	6.165821	7.237764	7.659591	7.650877	6.583017
CPXM2	ENSG00000121898	4.51159	5.496933	5.797349	6.016034	5.281007
No Know Protein	ENSG00000122121	4.595942	5.59377	3.685379	5.822271	5.941151
LY9	ENSG00000122224	4.024306	4.645595	4.614728	4.948935	5.95212
No Know Protein	ENSG00000122335	4.177238	5.371764	5.624293	4.771195	5.543315
No Know Protein	ENSG00000122592	4.957844	6.250304	6.081443	5.529816	6.264323
CALD1	ENSG00000122786	3.150175	2.847514	4.285627	3.613631	2.69957
SARDH	ENSG00000123453	4.248871	4.096823	3.750848	4.725148	5.260054
PFKFB2	ENSG00000123836	3.224657	5.597851	5.000782	4.826956	4.355469
No Know Protein	ENSG00000124496	2.977927	4.607904	4.794821	4.936083	5.210862
No Know Protein	ENSG00000125875	5.039705	6.238609	6.443379	5.756753	5.665342
C12orf26	ENSG00000127720	4.324023	4.563121	5.194332	3.145371	4.622101
No Know Protein	ENSG00000129151	4.780688	5.431407	4.801865	4.11878	3.781561
No Know Protein	ENSG00000130177	5.447686	6.826549	7.296648	6.750796	6.891366
KIAA1683	ENSG00000130518	5.531939	2.652447	3.489507	4.101917	3.762955
No Know Protein	ENSG00000130713	5.220083	6.646162	6.990165	6.656755	7.434935
GFPT2	ENSG00000131459	4.870179	5.662612	4.883779	6.274046	5.224006
MORC4	ENSG00000133131	4.19232	5.509344	6.107382	5.867054	5.961477
GIMAP4	ENSG00000133574	4.478122	5.553664	6.131229	5.339458	5.755578
RNF122	ENSG00000133874	4.849995	5.02577	5.790585	4.852791	6.104503
No Know Protein	ENSG00000133937	2.774519	4.094518	4.149111	3.142487	4.047967
CNTN6	ENSG00000134115	3.877731	4.286768	4.439651	6.125574	5.669673
No Know Protein	ENSG00000135457	2.901253	3.173315	2.780212	3.788996	1.190902
MIP	ENSG00000135517	2.590113	2.708811	3.979807	3.551639	3.520395
MICAL1	ENSG00000135596	6.912454	5.779852	4.822748	5.209226	6.974781

SEMA4F	ENSG00000135622	3.589768	4.20871	4.724576	4.755124	4.634169
ARMC9	ENSG00000135931	3.351223	4.865096	5.161631	4.96781	4.476257
No Know Protein	ENSG00000136861	4.195423	4.469093	4.938016	4.116298	3.970246
IL33	ENSG00000137033	2.862354	4.386818	3.708018	4.395491	4.313174
No Know Protein	ENSG00000137491	4.186128	5.408386	4.595092	4.477125	3.771536
SULF1	ENSG00000137573	5.038334	4.709369	5.796248	5.417418	5.384316
SORL1	ENSG00000137642	5.896664	6.105516	6.413893	5.576881	5.394102
THBS1	ENSG00000137801	7.260019	8.949266	7.854293	8.854719	8.996806
CYP1B1	ENSG00000138061	4.052308	6.261801	5.607774	5.554936	6.188778
EMILIN1	ENSG00000138080	5.091898	6.16804	5.115334	5.413059	5.218376
ANKRD52	ENSG00000139645	5.398878	5.429152	5.362421	5.264574	5.351219
RB1	ENSG00000139687	5.618012	7.297466	6.659759	5.7911	6.482938
MFAP1	ENSG00000140259	3.276758	4.430329	3.808792	3.446482	4.575414
No Know Protein	ENSG00000140332	3.03003	5.67797	5.20821	4.182394	4.591436
GATA6	ENSG00000141448	4.948118	5.717887	6.006728	5.848889	5.166968
No Know Protein	ENSG00000141456	5.376191	6.024647	6.267418	5.488165	6.065349
No Know Protein	ENSG00000141503	4.948564	5.635301	6.137551	5.61237	4.585024
No Know Protein	ENSG00000141748	4.553667	2.800459	3.176205	2.504076	3.455007
TRPM2	ENSG00000142185	4.693943	6.066463	5.555396	5.531912	4.910229
CREG1	ENSG00000143162	5.698042	3.432823	3.572198	3.727875	2.535283
DYRK3	ENSG00000143479	5.186207	4.188406	5.812538	5.271428	5.535055
No Know Protein	ENSG00000143627	3.540306	2.505231	3.335627	3.198317	3.2797
No Know Protein	ENSG00000143933	4.580588	4.563121	5.415852	5.744393	6.002387
ETAA1	ENSG00000143971	2.491376	3.762361	4.289159	3.651555	4.045252
No Know Protein	ENSG00000145191	4.47056	5.55532	5.468978	5.250185	5.077042
CXCL14	ENSG00000145824	7.979296	9.133752	8.552584	8.31444	9.112811
DAAM2	ENSG00000146122	4.478976	5.978249	5.633224	5.073904	5.654853
CYP39A1	ENSG00000146233	3.424305	4.915512	5.386243	4.787753	6.080009
RSPO3	ENSG00000146374	4.788118	5.418074	6.742166	5.958121	6.550575
ANKRD30A	ENSG00000148513	3.078445	4.390151	4.070144	3.241666	2.170257
PPRC1	ENSG00000148840	5.21896	5.553664	5.383648	5.20152	6.563608
ANK3	ENSG00000151150	4.0255	4.486715	5.789269	5.311709	5.837446
ZIC1	ENSG00000152977	3.581853	3.705108	3.074788	3.843604	4.035469
APCDD1	ENSG00000154856	7.385657	6.952602	7.678501	7.567243	7.081695
DKK2	ENSG00000155011	5.56867	5.835826	5.675435	6.718995	6.637508
SPAG17	ENSG00000155761	3.387781	5.122776	4.084725	4.532642	3.608529
AFF2	ENSG00000155966	5.722988	6.560443	6.053251	6.289889	6.725494
TSPAN7	ENSG00000156298	1.872085	4.906681	4.920088	4.978638	5.059319
No Know Protein	ENSG00000157680	3.006839	3.893689	4.957555	4.800914	4.706641
ZSCAN12	ENSG00000158691	3.644443	4.471604	5.262178	4.372637	4.574279
C1orf51	ENSG00000159208	4.498975	3.528607	4.600984	3.560458	4.261209
HLCS	ENSG00000159267	2.456077	3.627185	3.915429	3.349657	3.820286
SCUBE1	ENSG00000159307	4.935856	4.888541	5.127619	4.306535	5.3701
TFF1	ENSG00000160182	3.540041	3.50953	3.832293	4.300851	3.981452
CCDC116	ENSG00000161180	5.521665	4.505802	3.499335	4.745685	3.708037
PLXDC1	ENSG00000161381	5.650902	6.112313	4.710617	5.737892	5.241981
CCNF	ENSG00000162063	6.024032	4.812706	5.266862	4.806613	5.248335

ACOT11	ENSG00000162390	6.747976	5.035014	5.731519	5.863578	5.162604
ZSWIM5	ENSG00000162415	1.562301	2.072173	2.516871	1.86207	2.264607
CADM3	ENSG00000162706	4.96582	5.888397	4.270003	5.196656	5.970971
SPATA18	ENSG00000163071	3.905449	4.664053	4.490091	5.158492	5.238829
GLB1L	ENSG00000163521	5.342772	5.459594	5.882794	5.848015	5.692888
SERPINI1	ENSG00000163536	2.933558	3.307513	5.255778	2.978448	3.718437
LRRC2	ENSG00000163827	3.670352	2.537942	4.401395	2.694144	3.719236
GRIK3	ENSG00000163873	4.658435	2.445548	2.161496	2.328184	3.015664
UBXD7	ENSG00000163960	5.247857	4.648766	6.029608	4.777025	5.668871
No Know Protein	ENSG00000164031	1.804428	3.432823	3.950879	2.250773	2.844372
HHIP	ENSG00000164161	4.33588	5.618459	4.575385	5.118602	5.276812
EGFLAM	ENSG00000164318	4.939485	5.880664	6.507109	4.581897	5.5074
No Know Protein	ENSG00000164627	5.441992	1.87422	4.149111	4.479434	6.109832
ALDH1A1	ENSG00000165092	6.940479	8.406564	8.786368	8.333127	8.380855
No Know Protein	ENSG00000166145	5.441992	2.522608	3.72871	4.15338	2.989634
SAAL1	ENSG00000166788	2.660269	4.326853	4.062982	3.717021	3.430157
NKX3-1	ENSG00000167034	4.797657	4.065502	4.058081	4.566926	3.499657
PBX3	ENSG00000167081	3.852012	4.593297	5.267341	4.891526	5.296586
SCARA3	ENSG00000168077	5.210736	6.303869	5.051388	6.843088	5.889272
DDIT4	ENSG00000168209	8.212843	8.531643	8.279269	7.69914	8.032882
XIRP1	ENSG00000168334	2.465198	1.522951	2.08695	2.107251	2.668975
AXIN2	ENSG00000168646	5.936536	6.823981	7.003083	6.768852	6.49563
No Know Protein	ENSG00000168702	4.000686	4.405071	5.21811	3.26428	4.74351
TCTN2	ENSG00000168778	3.44254	4.370001	4.030297	3.789015	4.005647
ANTXR1	ENSG00000169604	2.936843	5.140879	4.758184	4.870356	4.362798
ROBO1	ENSG00000169855	3.495442	4.235742	4.925812	4.796092	5.087221
CDC42BPG	ENSG00000171219	4.360195	2.964909	2.655297	3.17533	2.748239
No Know Protein	ENSG00000171766	5.126389	6.284523	5.909901	5.908529	6.291916
CTPS	ENSG00000171793	4.223521	4.716755	2.516871	1.926295	3.145371
MBOAT1	ENSG00000172197	3.582807	5.002262	5.728232	5.296334	4.407296
RCAN2	ENSG00000172348	7.113263	7.582901	6.699197	6.830234	6.076117
IL16	ENSG00000172349	6.529946	7.150918	6.98719	7.243657	7.08106
No Know Protein	ENSG00000172594	1.624455	3.511451	2.741509	2.663981	2.654223
No Know Protein	ENSG00000172986	5.416002	5.966104	6.399368	6.204475	6.378764
HPSE2	ENSG00000172987	4.985301	4.265772	4.335295	3.847395	4.524394
DMRT2	ENSG00000173253	6.466781	6.111383	7.379789	5.413018	6.173051
DDX23	ENSG00000174243	5.984675	6.07583	6.006302	5.988136	5.562732
No Know Protein	ENSG00000174348	5.260901	4.77486	4.437307	4.736279	4.38412
MLXIP	ENSG00000175727	4.932044	6.346082	6.304147	6.247705	6.246381
PRIMA1	ENSG00000175785	2.647523	4.55454	6.01356	5.306665	3.899835
EDG5	ENSG00000175898	3.729435	5.404571	3.924501	4.902445	5.527279
RNF152	ENSG00000176641	3.945484	3.766181	4.105765	2.701205	3.311235
No Know Protein	ENSG00000177058	4.072795	4.845862	5.328928	4.76789	4.007977
TOP3A	ENSG00000177302	3.489646	4.83695	5.875421	5.083602	5.093905
CD163L1	ENSG00000177675	3.75652	4.911244	4.907507	4.976932	4.55098
C10orf53	ENSG00000178645	2.35459	2.233893	2.911659	2.47162	2.6019
RCC2	ENSG00000179051	4.043635	6.581044	6.071057	5.744458	5.982762

No Know Protein	ENSG00000179085	3.448537	2.716763	3.75103	3.174022	4.648062
No Know Protein	ENSG00000179630	3.466278	3.902598	3.668546	2.378374	3.866331
CRIPAK	ENSG00000179979	4.745368	5.506945	5.834628	5.818946	4.977689
ALX1	ENSG00000180318	5.07589	4.893044	6.212241	5.56347	6.603515
No Know Protein	ENSG00000180438	4.498282	3.173315	2.435251	3.06545	4.226749
MAB21L1	ENSG00000180660	3.386251	2.349472	3.21968	3.97704	3.929844
No Know Protein	ENSG00000181458	4.289712	4.670418	5.512929	4.929538	5.168717
SLC9A9	ENSG00000181804	4.510356	6.358062	6.86738	6.981921	6.488981
UNC5C	ENSG00000182168	4.68049	5.155714	5.696886	6.080552	5.668891
PAPPA	ENSG00000182752	2.623609	3.758117	4.256694	4.773202	3.351618
No Know Protein	ENSG00000183117	4.496878	4.61897	5.441198	4.384054	3.941706
No Know Protein	ENSG00000183258	4.81192	4.784633	6.213479	5.656631	6.525611
HIST1H1B	ENSG00000184357	3.940653	4.233209	4.1561	3.943882	3.329829
HIST2H2BE	ENSG00000184678	3.334467	2.398799	3.659907	3.278054	4.084526
ANKS1B	ENSG00000185046	3.196148	2.982047	3.780684	4.213001	3.718229
INTS5	ENSG00000185085	4.129323	4.912389	4.9451	4.20633	5.443563
No Know Protein	ENSG00000185652	3.652545	4.005589	1.68133	3.951305	2.014436
No Know Protein	ENSG00000186567	4.899401	4.292593	4.477206	4.507533	4.990521
TPCN1	ENSG00000186815	5.848491	6.200153	6.208086	5.63694	6.389747
TMPRSS6	ENSG00000187045	3.107077	2.362632	4.418698	4.361765	1.741866
No Know Protein	ENSG00000187164	4.943781	6.931489	6.448297	6.777699	5.951468
HMX3	ENSG00000188620	5.769985	4.500111	4.438797	5.369509	5.232661
PRELP	ENSG00000188783	9.603811	8.705554	9.018455	9.319337	8.793545
LRRK2	ENSG00000188906	3.828776	5.639598	6.131252	4.984573	5.193367
PTPRT	ENSG00000196090	4.101078	4.932328	4.298936	4.079171	4.384223
No Know Protein	ENSG00000196154	4.267093	3.612486	2.232261	3.499288	3.336288
SIRPB2	ENSG00000196209	4.792967	3.840393	3.801646	3.706793	4.491439
No Know Protein	ENSG00000196502	6.510397	7.608275	7.527376	7.687242	7.250136
TRPV1	ENSG00000196689	3.045373	4.279608	5.013668	5.262272	3.870432
No Know Protein	ENSG00000196917	6.075516	6.632856	7.150102	6.95843	6.463993
GPR123	ENSG00000197177	4.932476	3.757947	3.477702	4.921584	5.407149
OR8D2	ENSG00000197263	5.57528	3.796627	5.603792	4.288337	4.295177
SIPA1L1	ENSG00000197555	2.801724	4.130003	5.489604	4.935729	5.806723
KLHL14	ENSG00000197705	2.301393	3.676932	3.226693	2.052484	1.909707
CARD11	ENSG00000198286	3.930105	2.389714	2.992843	3.984315	3.027687
SPG3A	ENSG00000198513	4.117888	5.425355	4.972337	4.709108	4.723708
No Know Protein	ENSG00000198518	5.692121	6.161181	6.942914	5.753161	6.495145
No Know Protein	ENSG00000200411	2.293504	2.295749	2.137799	2.616628	3.157443
No Know Protein	ENSG00000201736	3.553684	2.861449	2.754315	2.657771	2.515289
CR1	ENSG00000203710	3.790406	5.837843	6.212967	5.777422	5.595671
No Know Protein	ENSG00000204054	2.360436	4.065946	3.956678	2.568044	3.783088
No Know Protein	ENSG00000205592	4.30464	3.564151	3.332636	3.58103	4.511472
ITSN1	ENSG00000205726	3.946941	4.867345	6.112727	5.192766	5.748928
LOC729277	ENSG00000213753	3.557283	3.562096	4.231544	4.757166	4.643252
No Know Protein	ENSG00000213780	5.195033	6.635212	6.534248	6.754953	6.574165
LOC391026	ENSG00000214141	3.204723	2.406374	2.447494	2.112202	2.920698
No Know Protein	ENSG00000214891	3.933948	2.731027	3.269525	2.874628	4.681506

No Know Protein	ENSG00000215043	2.686012	3.037866	3.626839	3.44304	2.774516
No Know Protein	ENSG00000223452	5.109282	5.888871	6.026948	6.227426	5.293012
No Know Protein	ENSG00000224512	6.464893	6.170686	5.532667	6.277498	6.112145
No Know Protein	ENSG00000224940	4.927559	5.112702	5.420184	5.320872	4.827928
No Know Protein	ENSG00000227593	2.772437	2.774476	4.031094	3.214202	4.786617
No Know Protein	ENSG00000233746	5.470179	4.21461	4.519145	4.994426	4.829026
No Know Protein	ENSG00000234491	4.778953	6.384708	4.920647	5.732444	5.881145
No Know Protein	ENSG00000234918	3.300134	4.699866	3.532827	3.804956	2.891031
No Know Protein	ENSG00000235462	2.800376	2.969967	2.318073	2.389258	3.253663
No Know Protein	ENSG00000236762	3.907466	3.173315	1.736197	3.916253	4.113741
No Know Protein	ENSG00000239646	6.700699	6.879954	7.29761	7.179639	7.511031
No Know Protein	ENSG00000240058	3.490447	3.975504	2.704069	4.244603	3.766431
No Know Protein	ENSG00000240800	4.070095	5.98888	4.954932	5.037558	3.30834
No Know Protein	ENSG00000241286	4.947951	4.116439	4.47092	4.170903	5.009328
No Know Protein	ENSG00000241385	5.155178	4.028562	4.278549	4.670572	5.494179

Stob_6b_H	Stob_14b_	Stob_16b_	Stob_17b_	Stob_4d_H	Stob_7d_H	Stob_15d_	Stob_11f_	Stob_9b_H
6.903033	7.204695	6.781918	7.153233	6.97858	6.339022	5.942714	6.684541	5.132191
4.654246	5.569927	5.253635	5.506148	4.764028	3.967598	5.171508	4.706676	4.460257
4.581716	4.907566	4.653999	4.934464	5.0847	3.446549	4.458186	4.92424	4.185197
6.348144	6.52873	5.399075	6.402401	6.224951	6.432705	6.347942	6.589046	4.840696
5.396169	5.610654	4.738643	5.585966	5.242518	4.218774	4.458877	5.387023	4.232804
4.654495	4.383675	6.538441	3.718802	4.250239	5.769893	2.503491	4.444621	1.804428
5.221457	5.124315	4.614728	4.834526	5.095294	3.808113	5.554919	5.088971	4.911743
9.187762	8.43807	9.07748	9.296734	9.114273	8.799683	9.178837	8.473937	5.94504
4.665299	4.346862	4.92062	4.65508	2.807206	2.495876	3.213395	4.415572	2.747938
4.206381	4.777891	4.715699	4.506294	5.032321	3.451275	4.145602	3.837107	3.053093
5.588416	5.311555	5.407364	5.184255	5.25913	4.087008	6.223174	5.917546	3.70476
4.38867	4.146945	5.145763	5.359959	5.183856	4.591219	5.603403	5.416629	4.100748
5.086045	3.70091	4.897321	4.909649	3.429272	3.990373	4.524047	3.774019	3.39593
6.274305	6.82921	5.725676	6.164629	5.720685	4.568248	5.680116	6.541808	4.709298
6.361906	6.434576	5.323776	6.742836	6.144304	5.176628	5.582335	5.467033	4.825754
3.270235	3.733981	3.956189	5.455767	3.745765	2.656617	3.146485	2.14688	2.083058
2.545375	4.26846	3.057502	4.420174	3.936726	3.175111	3.232448	2.222336	2.955011
6.00937	5.156823	5.396841	5.76109	5.341465	5.61361	4.400483	5.730068	3.118555
5.963947	6.066376	6.149669	6.200131	5.627618	5.495782	5.802648	6.218545	5.162894
3.450918	2.730247	2.837023	2.808886	2.335175	3.357634	3.757034	3.066253	4.330374
2.148187	2.581578	1.593654	2.10215	2.503491	4.615984	3.306113	2.868511	3.047967
4.071103	4.331411	5.082393	5.434364	3.945738	4.327644	5.653426	4.85567	3.380375
4.961987	5.602234	4.243739	4.530943	5.168165	3.84534	4.841505	4.686137	2.508187
4.840612	5.203718	4.85906	5.929584	4.826735	4.172507	5.158382	4.985565	3.337427
4.581007	4.755269	4.254084	4.210447	4.541976	4.90985	3.767482	5.356888	3.609079
3.502493	3.916349	3.801647	3.524209	2.459158	3.314684	3.366888	3.931105	3.308377
5.353118	5.90787	5.593975	5.697866	5.652065	5.441424	5.699302	5.086225	4.365793
6.6369	7.292596	7.880365	7.394346	6.961229	7.128134	7.445442	6.787015	5.760088
4.923143	6.182086	4.6225	4.892404	5.69881	4.16144	4.273098	5.463899	3.841062
3.702888	2.45236	3.117422	2.44034	1.695372	4.214813	2.408274	2.549223	4.064565
6.313007	6.239016	5.87156	4.995848	6.298551	4.506325	5.091438	6.459819	4.262407
3.812055	4.154402	4.341098	3.341014	3.064937	3.520976	3.626542	3.341623	4.293655
4.612953	4.134404	3.903905	4.174088	3.252709	4.653305	3.998861	4.763641	2.901277
4.327197	4.725466	3.744777	4.148411	4.115058	3.242392	4.036801	3.975037	2.893481
4.407205	6.142362	5.303608	5.889548	5.096321	4.834715	5.060037	5.327108	3.759346
6.692819	6.895581	6.810031	7.093467	6.155293	6.043186	6.487008	6.78775	6.061318
4.048926	5.328759	3.100175	3.845383	3.662427	3.045324	2.881584	3.629618	2.633955
5.756054	5.67939	5.800573	6.007803	5.211048	4.628032	5.931127	5.499173	4.049015
4.211349	4.441213	4.527809	4.280581	5.672864	3.55246	5.077072	3.68983	3.68491
6.141473	6.650176	6.220165	6.318113	6.107956	6.358145	6.46929	6.502295	5.070624
4.037747	2.440482	3.748976	3.882158	2.82317	2.481518	3.996229	2.643402	2.430637
6.526451	6.499028	6.135916	6.779111	6.489152	4.951907	6.052953	6.204841	4.315042
6.656761	6.169232	6.015407	6.350506	6.423704	6.066793	6.513115	6.462473	4.950327
5.445998	5.547923	4.948553	5.685926	5.450132	5.857382	5.498065	4.699762	3.740261
4.276982	4.756062	5.14079	4.868036	4.435718	2.991983	3.979991	3.818544	4.812545

5.182313	4.770872	5.271824	4.616006	4.824187	4.830045	4.300307	5.133049	3.811435
7.937935	8.019986	7.773519	7.965121	7.897638	7.673614	7.886361	7.945597	6.6711
4.007789	5.25353	5.349138	4.335107	4.918618	5.769893	3.126646	3.316009	3.132042
4.551589	5.599372	4.207873	4.688845	5.246116	4.562028	4.506437	5.153093	6.201751
4.877908	4.332177	5.739067	5.564541	5.653217	4.324397	6.932818	4.519215	4.247376
5.018682	5.471307	4.913294	5.608364	5.816338	4.178268	5.101751	4.946764	3.635716
3.74166	4.746697	2.638748	4.388969	3.993947	2.255339	2.765251	2.936393	1.79567
5.198108	5.362833	4.127223	5.354401	4.6629	3.899801	4.898465	5.181352	3.233524
4.225018	4.565931	4.153556	4.120657	3.661412	3.902088	3.335394	3.742362	3.45112
3.314687	4.472326	2.254895	2.652991	3.228143	3.083036	3.079281	2.79814	4.690284
4.385231	4.859754	4.808714	3.238743	3.030554	4.97671	3.67096	3.213115	5.0526
7.328792	7.335445	6.72023	8.326488	8.002469	7.724911	8.513534	8.064351	6.18128
6.011842	6.292457	6.166849	6.294955	6.417983	5.417027	4.877313	6.009859	5.161678
5.475396	2.811342	3.473915	3.845516	4.505056	3.684523	3.487355	2.166751	4.089446
4.954574	5.236903	5.50144	6.651601	4.212988	4.150045	5.364504	4.45945	4.316991
4.566593	4.788905	4.73145	4.319645	5.290477	4.275775	3.963534	5.239142	4.423618
5.3746	5.015849	5.063194	6.514714	5.299684	4.20285	4.673693	5.137034	3.607921
5.825339	6.428989	6.558028	5.685906	5.554821	4.941028	6.195267	5.507879	4.57146
6.834606	6.514701	5.865255	7.026103	6.309834	5.809289	5.758361	6.367424	5.068272
2.984283	4.66718	3.787812	3.135813	3.563025	3.07639	5.17566	3.762874	5.136984
2.189234	5.448415	1.822065	3.845516	2.614609	3.306113	2.503491	3.667503	2.44034
5.891913	5.252763	4.770411	4.688246	5.510317	5.212108	3.93722	4.763414	4.126537
7.319425	7.75353	7.415288	7.64001	6.881545	6.437169	7.319668	7.286335	6.050281
5.400637	5.519776	5.787633	5.10946	5.141811	4.222897	5.102856	4.48777	4.271196
4.819355	5.418669	6.303421	6.110392	5.642454	3.835661	5.3789	3.305814	3.422439
4.78548	4.79639	2.302365	4.233345	2.744261	4.441745	3.973058	4.668992	5.984675
5.218218	4.645721	5.03605	4.976055	5.124967	3.508844	5.020727	4.961624	4.23895
5.762471	6.407106	5.843331	5.905433	6.593268	5.121488	5.337824	6.361036	3.824445
4.951966	3.060582	3.45379	3.879	3.490332	3.595012	3.162654	3.03298	4.618048
4.648652	4.237722	3.947312	4.899348	3.675659	3.818827	5.061911	4.337699	5.120815
5.492133	5.363063	5.002686	5.291389	3.257203	3.294271	5.018794	3.636972	3.262819
4.508934	4.799198	4.641133	4.267193	4.106048	4.986726	4.914391	4.467037	3.776913
5.894041	6.43357	4.919765	5.761667	6.227108	5.03937	6.620247	6.227635	4.113158
2.744261	5.25353	1.920136	3.782602	4.424201	1.87422	2.018782	3.417507	2.815755
4.982149	3.673132	4.278914	5.199917	3.957417	3.343323	4.977668	4.812208	3.220596
7.366219	7.504973	6.537641	7.032499	5.32413	6.555528	6.56862	6.862313	5.376645
4.726142	4.213097	4.338785	3.569573	5.348437	5.506687	4.214992	4.733574	5.808447
6.790781	7.017638	6.371797	6.473155	6.791249	5.291765	6.830915	6.660285	6.147034
5.184216	5.899241	5.128511	5.924289	5.934032	3.77505	6.549602	5.175739	4.056519
5.232614	5.761254	5.07179	5.252504	5.541215	4.233611	5.505024	5.645398	4.373865
5.751781	5.86998	5.877288	5.858607	5.449357	6.009091	4.79296	4.749523	4.017571
4.618522	5.113113	5.933824	5.246541	5.60111	5.064683	5.353771	5.221806	3.428751
4.12358	4.807417	4.63794	4.165781	3.639305	4.332438	3.465594	3.868896	2.808738
4.363818	2.78124	4.636122	6.148162	2.378748	3.995166	5.725835	4.321449	3.554029
2.794484	3.432823	4.375339	3.959923	2.614609	1.498202	1.943345	1.699069	1.334977
3.004933	3.917554	2.799158	2.431232	3.104808	3.75007	2.673037	2.698172	4.938819
5.810109	5.041196	5.144509	5.540684	5.147657	6.218899	4.692025	5.023612	6.458493

4.777278	4.749291	4.193971	4.612242	4.079805	3.214715	3.719979	4.707644	3.598216
4.074697	4.943726	4.355628	5.424167	4.743084	2.690521	3.394346	4.079224	2.865471
4.450933	5.346723	4.935936	4.645276	3.739026	3.689808	4.020487	4.378384	3.002247
4.035582	5.299328	4.596275	3.230637	3.98061	2.306843	3.073932	3.116961	3.1403
4.743088	4.65159	3.906344	5.189543	4.73808	3.021796	4.565678	4.214978	3.936865
4.68166	5.709971	4.988695	5.103013	6.545136	3.839099	4.159095	4.508381	3.200941
5.717098	6.814616	5.454866	6.500038	6.203883	4.778168	5.861292	6.266845	4.2318
8.183525	8.389066	8.763717	9.023071	7.882854	7.756736	8.817107	8.144699	6.442299
5.93263	5.240859	6.367431	6.240475	6.248923	4.448665	5.089513	5.579349	4.183341
5.030151	5.035582	4.766243	6.005151	5.728177	3.519786	5.920421	6.100549	4.351749
5.346809	5.335518	4.938329	5.368033	4.634918	3.7696	4.697017	4.822378	3.362903
6.509657	6.857742	6.155664	6.263424	6.661375	5.888492	5.801446	6.586426	5.237592
4.542687	3.926331	4.28658	4.083291	4.014234	3.241308	3.470761	3.448547	2.837241
4.33053	4.799755	4.358028	4.250292	3.690431	3.778162	4.352975	4.571855	2.971808
4.761478	5.591446	5.026771	4.637566	5.51952	4.984702	3.964179	5.641063	3.967852
5.4598	5.697585	6.175085	5.634468	6.616466	4.934902	6.154336	6.098064	4.719777
5.005399	5.836205	5.860307	5.240158	4.827019	4.337034	5.212388	5.525262	4.001325
2.667141	2.647751	2.706647	2.363395	3.880031	3.152217	2.905091	2.246939	3.953856
5.812325	5.420145	4.895377	6.07221	4.933254	4.674208	5.2933	5.343029	3.678904
3.908953	3.585392	3.234329	3.900329	2.744261	3.841502	3.306113	1.699069	5.146025
5.376246	5.747397	4.324103	5.003235	5.860027	4.046828	3.128895	4.73601	3.693406
2.577189	2.9642	2.66716	2.577667	3.220111	5.305239	3.078916	2.41462	4.036034
5.259081	5.559891	4.525459	5.079022	5.47861	5.43662	5.489071	3.981911	3.60461
3.603581	4.840617	4.224148	4.164644	3.984073	2.963932	2.848888	3.852783	2.768475
4.74231	3.885181	5.367104	5.221869	4.973284	5.650426	5.292563	4.423003	4.590157
8.894176	8.81919	8.993179	9.202011	8.664214	9.138551	8.157068	8.075478	7.162728
5.666956	5.851161	5.048068	5.699472	5.704044	4.37202	4.5395	5.151371	4.246259
5.365935	4.221987	5.522466	6.012631	4.980384	3.684523	5.016106	5.190047	2.588271
5.598986	4.897451	5.792725	6.447897	5.320926	4.912792	5.738357	6.151357	4.108023
4.057226	5.069879	3.470418	4.125284	2.655885	3.79144	2.857599	3.572472	4.765847
5.22089	5.598299	5.408372	5.504887	4.896469	4.164451	4.707042	5.478332	3.677617
6.043028	4.729468	4.818393	4.303106	6.074732	4.44457	5.286558	5.639481	3.645269
2.995961	3.099329	2.853363	2.803207	4.100015	3.833672	3.333104	3.359793	4.167477
6.611062	6.366513	7.273265	6.665229	7.739617	5.611113	8.280902	7.164768	6.421566
5.229185	6.039543	6.502797	6.218809	6.079591	5.772476	6.771334	5.475909	4.542286
4.919604	5.444828	5.83669	5.1335	4.107103	3.533512	4.135811	3.945999	3.614714
5.209518	5.86961	6.199014	6.427597	6.070903	5.836527	6.20941	6.404139	4.220726
4.973414	4.648632	5.560413	5.936908	3.21809	3.089096	5.680592	5.190968	2.517408
3.772452	4.338726	4.4903	5.254927	4.749714	3.229235	5.088824	3.551632	3.0709
4.433182	4.978402	4.026751	4.579341	4.823625	4.249565	4.390594	4.666716	3.456103
3.749222	4.958176	3.562685	4.422298	4.617431	3.902475	3.164854	4.544027	3.038403
3.434038	4.683842	3.215252	2.901792	2.998358	1.991306	2.4187	3.268413	2.216041
5.819378	4.012791	4.301076	4.481608	4.547496	5.268578	4.17407	5.487142	5.465166
3.187433	3.44612	3.677707	3.562526	3.562958	5.362203	4.354335	4.268716	4.877238
5.107833	3.754158	4.236504	4.257529	5.285497	5.511025	4.958825	4.046089	5.827189
5.669911	4.652011	6.030807	5.972738	4.923757	4.71048	5.560302	5.25816	4.767513
5.478152	4.743286	5.332049	4.670525	5.801649	4.485034	4.498213	5.910552	3.814276

5.332242	5.146315	3.967978	5.099025	5.824685	6.548116	5.46244	5.876303	6.66982
1.859146	1.811784	1.593654	1.859146	1.308809	1.87422	2.018782	2.166751	2.44034
5.251931	6.119899	6.173018	6.988339	5.449164	5.462402	5.92016	4.171254	5.181016
5.810159	5.234907	4.94497	5.725898	4.101517	3.429139	5.323563	4.866989	2.429673
6.411093	6.097786	4.317215	5.636594	6.134299	4.781836	5.614509	5.718914	3.203144
4.08703	4.095148	3.076821	3.660554	5.723393	3.222498	4.578761	4.233516	2.930748
2.670399	3.073703	3.54078	3.110723	3.858824	2.56697	3.507176	3.758943	1.998194
2.885726	3.031049	2.913231	3.132345	3.474865	4.368205	3.295436	3.732814	4.104798
4.151186	5.153962	5.112979	4.656588	5.647791	5.563969	3.58243	5.234945	3.460935
3.381403	4.383675	2.197844	3.079612	3.129499	3.306113	2.094313	1.562301	1.804428
4.27146	4.950583	4.530625	4.969616	5.242845	5.240424	4.565669	4.541211	4.169856
5.868019	5.696224	4.976328	5.653933	6.312047	5.387186	4.96481	6.144371	4.053515
3.031916	1.748238	4.207873	2.302365	3.952795	5.738531	3.306113	3.047967	4.954001
7.829214	7.643246	8.210636	8.066678	7.388499	8.293499	8.469319	8.217207	6.924143
4.687644	5.424574	5.255994	3.845516	3.952795	3.451079	5.648929	3.751826	4.913465
4.644984	4.757277	3.344198	3.905916	4.300733	3.539591	4.321333	4.489467	3.870219
3.956795	3.180626	4.029816	4.450371	4.341899	5.776654	4.564269	3.553755	4.254454
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6.796181	6.1605	5.269879	7.230505	5.793636	5.436475	6.237735	6.048297	5.041215
8.177053	8.584687	6.928551	7.832459	8.377795	7.196333	8.129189	7.547039	7.223269
2.026528	2.074684	2.288476	2.148703	2.240115	4.093155	2.248664	1.640895	2.996628
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3.830433	4.151292	3.95336	2.700896	3.310321	3.138509	4.311142	4.492913	2.692468
4.684779	5.228806	4.752512	5.288329	4.656113	3.260966	3.72183	3.62626	2.885605
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6.773863	7.392911	7.329759	7.128083	7.087352	6.235101	7.536019	6.713783	5.894809
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6.298162	5.574622	6.934043	6.2094	5.379479	6.103004	5.839442	6.26877	4.870114
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4.596003	5.337735	4.686638	5.399324	5.24768	4.057805	3.985434	4.519837	3.784324
4.882983	6.080453	4.250385	5.184248	4.693979	3.133704	4.973412	4.711604	3.806361
4.193227	4.396505	4.974817	4.768468	3.366337	4.128719	5.077073	4.394339	3.521035
2.742116	2.625834	2.928561	2.821229	2.894056	3.15368	2.804266	2.70834	4.161769
6.513053	6.243445	5.64521	6.299053	6.053794	6.201631	5.636648	5.767551	5.127641

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3.479142	3.046229	3.240613	3.690101	3.432322	2.796458	2.934171	3.747642	2.537522
4.934182	6.064845	5.701361	6.622984	4.955497	5.902321	6.286746	6.145436	4.568532
5.824005	4.861167	5.377387	5.933865	6.16516	5.088251	6.093622	5.161892	4.492648
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4.076744	2.502536	3.074808	2.895318	4.350852	3.43804	2.711698	4.852867	2.036769
5.318418	4.868205	4.969062	5.554235	5.406567	4.189052	4.851887	4.959555	4.121922
6.174157	6.70419	6.496389	7.245071	6.485455	5.287793	5.334261	5.148628	4.519513
5.1103	6.042825	5.083654	5.981339	5.958934	4.658347	5.973308	5.555945	3.220715
4.091868	3.357953	3.427557	4.511819	1.956264	3.944688	4.553328	4.29168	2.577315
5.160362	4.854135	3.894218	4.331983	4.568343	5.104961	4.233338	5.381783	5.611139
5.042854	5.358753	5.642788	6.14957	4.705912	5.523052	4.5835	5.483859	4.452247
3.93922	2.159006	4.081574	5.479875	3.901859	4.052362	4.79519	3.736011	1.709098
3.711378	2.506228	2.643434	3.584575	3.381403	1.792423	4.120427	3.481181	2.236078
4.444462	5.118295	3.209805	3.07425	3.815101	2.952541	3.667406	3.342243	4.893212
4.837329	4.753121	4.959197	5.086811	5.393144	3.161254	4.701024	5.179962	3.320044
2.509443	3.04098	3.414804	2.447186	4.752486	2.20123	3.826332	3.015501	4.605786
4.603042	3.827319	4.700487	3.447556	4.539348	6.060569	4.002611	4.647311	5.594662
6.21658	6.514065	6.531103	6.084378	6.427446	4.700932	5.566262	6.013837	5.479483
2.519482	2.847348	2.163429	3.231313	3.063798	2.106299	3.738269	2.649164	5.12133
6.574916	6.693284	6.754868	7.372678	6.156956	5.791489	6.545899	6.126433	5.322352
4.909902	4.157615	4.704301	4.930251	5.319329	6.579364	5.763904	4.677925	6.068951
9.103763	9.170214	9.402261	9.622869	9.69897	8.368579	9.680117	8.933948	8.120584
5.059847	5.618883	5.749358	5.495343	5.506362	3.572603	5.027544	5.447335	4.450685
5.068253	3.827795	5.19523	5.227105	4.269138	3.349744	4.443073	5.064329	3.534201
2.544649	2.511761	3.819887	3.829264	2.571241	4.474404	3.685724	2.990222	2.44034
4.3335	3.426817	4.445933	3.29341	3.691152	4.628733	3.137351	3.037486	4.808517
7.287138	7.646237	7.537788	7.319549	6.742895	6.443979	7.661604	7.755885	6.479578
5.224995	5.105526	4.433902	5.623101	4.781905	3.169743	4.878355	4.761573	3.683365
6.696142	6.563991	6.832757	6.981364	7.010735	5.568133	6.860804	6.265217	5.445628
4.281205	4.11493	4.429812	3.863712	4.201627	3.715393	4.706619	3.699709	5.004722
5.07698	3.894396	5.481975	4.626411	3.952795	5.641649	3.306113	3.751826	5.376539
4.57254	5.324667	5.485726	4.682933	4.451882	3.461066	3.381143	4.646159	3.29434
1.944796	1.511263	1.323772	3.380052	2.744261	3.763855	4.192776	1.630825	3.132042
3.089719	3.555256	3.404381	3.182124	3.132689	3.766678	4.073625	2.804725	4.609875
3.832143	5.088819	4.453381	4.659102	4.929853	3.806371	4.787166	5.286334	4.255894
6.462196	6.263688	6.359841	6.425327	6.333792	4.528942	5.661457	5.659473	5.073698
2.211148	2.972735	2.412921	2.387677	2.845506	4.155747	2.027468	2.777097	4.506113
2.302453	3.767226	2.950968	2.462396	2.206557	3.1396	2.549419	2.57594	3.883058
4.462213	4.845051	5.423037	6.686188	4.884741	4.221381	5.575986	4.90664	3.87568
3.530361	3.293999	4.237985	3.825601	3.858857	3.041005	2.597012	2.886722	2.038838
3.331809	2.952722	3.826568	3.733049	4.669475	4.205756	3.701864	3.749889	4.818908
5.292367	5.750817	4.979033	4.921688	5.068451	3.948666	5.145576	6.065107	3.25126
4.692174	4.687356	4.63437	4.847132	4.61657	3.931898	4.003834	4.791122	3.701794
6.52225	6.330546	5.892788	6.973607	6.463334	6.207156	6.17763	6.793215	5.43852
3.790983	2.124646	2.692241	2.987685	1.688676	4.854855	3.033	2.034555	4.267473
2.931665	3.571264	4.112139	3.312222	4.716275	4.830829	4.333171	2.978738	4.662993

3.155511	2.798313	3.561789	3.208909	3.747694	3.620432	3.376542	3.219083	4.245607
5.942996	6.543598	5.907772	5.80548	6.278094	5.595945	6.436962	5.509164	5.919462
5.312712	5.46357	6.125425	6.087561	6.698324	6.207088	6.524806	4.990025	4.80887
5.108007	5.340559	4.210772	5.353728	5.913313	4.32269	5.028412	5.786127	3.992257
2.973394	2.811342	4.683992	3.01579	4.424201	4.93276	3.659002	3.145371	5.030539
5.292976	4.317069	4.856079	4.532081	5.329921	5.959961	5.364848	4.039988	6.241019
6.6512	4.350638	7.129154	7.162194	6.554984	5.907568	5.017316	5.801151	5.650693
3.934388	4.055467	2.795644	4.209226	3.572233	3.16588	2.529451	3.458156	4.586579
3.006635	2.558925	2.794838	2.614792	2.650599	3.748046	1.953274	2.428752	3.995747
4.850338	3.206729	4.292965	5.147796	4.654495	2.216088	4.729267	4.614728	2.73874
7.552836	7.313434	7.063756	7.886254	7.004058	6.202199	7.074248	7.458021	5.886493
3.467816	3.344472	4.250419	2.704131	3.006681	3.168257	3.955246	2.913696	3.710485
5.349039	5.97673	4.651598	5.522789	4.615469	5.171757	4.456172	5.057158	6.180762
4.236766	4.670891	4.463758	4.370506	4.98737	6.52386	5.008188	4.386363	5.323125
4.379685	3.999966	4.664563	3.641275	4.246429	5.451306	4.986587	4.115482	5.249327

Stob_10b_	Stob_8a_H	Stob_9d_H	Stob_10d_	Stob_11d_	Stob_4f_HI	Stob_7f_HI	Stob_15f_	pValue
6.111752	5.629568	4.458633	5.663361	6.518271	6.603599	5.121583	5.833853	0.001884
3.102816	3.572745	3.238367	2.752461	4.467465	4.354859	3.94605	4.146335	0.000723
4.767276	3.590288	3.479273	2.758878	3.288987	3.650066	2.827775	4.735076	0.004071
5.313552	4.727382	5.206574	5.322094	6.101617	5.702293	5.906081	5.601031	0.000476
4.961022	3.942976	3.769609	3.947468	4.44092	5.21117	3.716668	3.397824	0.001453
4.128747	3.0236	4.406277	3.292191	2.44034	3.559595	1.967605	3.455144	0.004284
3.878431	4.309991	2.731554	3.387982	3.055826	3.411033	3.560264	3.968533	0.000558
7.584371	7.301685	6.7175	6.680688	7.468394	8.164045	7.657486	7.962861	3.40E-05
3.269654	2.145399	2.399166	1.881401	3.055125	2.650165	2.755843	3.053231	0.000343
3.78112	2.470176	1.815641	2.077412	2.469101	4.61098	2.709001	3.797472	0.00375
3.84644	3.93241	3.845284	3.783274	3.67158	3.785168	3.805271	3.740153	9.55E-08
3.870227	2.886665	2.339745	3.059021	3.452587	4.155216	2.537382	3.123488	1.65E-05
3.787648	3.46064	2.983336	3.266625	3.22747	3.081124	3.634833	4.082642	0.003215
5.861961	4.716973	4.064519	5.019014	5.866239	5.714537	4.521534	4.983794	0.003606
5.870852	4.820451	4.614486	4.446977	5.702217	5.648152	3.765128	4.624159	0.002214
3.215342	3.212062	1.956957	2.520925	1.953553	2.263276	1.893291	2.519415	0.00146
2.734328	2.526054	1.951637	2.043419	2.224874	2.542217	2.479633	3.083043	0.000309
4.409504	4.435497	3.727071	3.687541	4.496532	5.175371	4.728077	5.073275	0.00106
5.919248	4.64527	4.269585	4.488397	5.906911	4.989417	4.773363	4.950753	0.003207
3.34037	3.357733	4.110889	4.854331	3.75382	4.258204	4.762705	4.422769	0.002273
4.209202	4.478037	4.660655	4.730435	4.01778	3.133843	3.794791	3.595321	0.001257
4.45278	3.480551	3.53246	3.351696	3.445316	3.933568	3.831832	4.020242	0.000276
5.255645	2.175257	1.99077	2.018631	2.849171	4.250923	3.287194	4.234713	0.003097
4.967198	4.134345	3.658215	3.723479	4.154692	4.805602	3.777742	4.198163	0.000466
3.292806	3.389871	3.72958	4.092069	3.456095	5.138119	4.013636	3.542851	0.002903
3.16813	3.668615	2.418338	2.329296	2.351022	2.070634	2.630017	2.476716	0.00331
4.354514	4.174783	4.11974	5.285038	5.143544	4.663373	4.41944	5.304924	0.002567
5.973737	6.738789	5.869251	5.408488	5.896879	6.65226	6.906857	7.551729	0.003269
5.354003	3.6542	2.889384	3.883158	4.410883	4.449987	3.370388	3.930136	0.001284
3.726262	4.188938	5.057417	4.574464	3.427996	3.600511	3.590938	3.384227	8.96E-05
5.659268	3.796283	4.910839	4.96656	6.018359	5.162169	4.425156	4.578117	0.004114
4.711271	4.24288	4.727048	4.995189	4.608961	4.807322	4.908619	3.469909	0.000376
3.488413	3.780887	2.891986	3.818468	4.055839	3.524444	3.740113	3.390441	0.000156
4.126267	2.493271	2.876157	2.880453	3.961717	3.432085	3.074246	3.567659	0.002373
5.296004	4.413508	3.704246	3.833017	3.868326	5.234603	4.032597	4.227876	0.001039
6.829644	5.401673	4.699004	5.023949	6.162894	5.229	4.902048	5.740373	0.003046
3.59628	2.128491	1.549384	2.165124	3.451671	2.663158	2.432252	2.534035	0.001356
5.333769	4.551723	3.784896	4.247485	4.239875	4.361669	4.060476	5.303615	0.00057
4.699536	3.249233	2.766105	2.476297	2.996699	3.470517	3.659243	3.962616	0.001043
5.59198	5.076885	5.768004	5.211512	5.341401	6.284969	4.176976	6.145942	0.0022
3.480152	1.636362	2.319311	2.600587	2.57765	2.391438	1.684544	2.347584	0.003599
5.373313	4.458961	3.972438	4.323604	5.234577	4.732636	3.891881	4.822941	1.83E-06
6.271619	5.137378	5.042616	5.222911	5.997879	5.929087	5.281334	6.243478	0.001577
4.262259	4.956303	4.488487	4.077565	4.386437	4.917953	4.919098	4.082418	0.000134
4.114807	3.076814	3.214459	2.834348	3.253107	3.121797	2.999588	3.012734	0.002962

4.854407	3.331134	3.726307	3.520842	3.667123	4.700707	4.855535	3.945221	0.003038
6.714078	6.966586	6.882153	5.976614	7.265495	7.48601	6.607102	7.923702	0.0022
3.553923	2.728673	3.852953	2.009184	3.133843	4.092615	2.614609	2.310846	0.002931
4.563121	6.059466	5.335388	6.570804	5.690184	5.884191	6.476393	5.103458	0.000487
4.92206	3.251685	3.407391	3.790572	4.137327	3.87935	3.574755	5.017562	0.000366
5.347749	2.664314	3.242903	3.473791	3.941623	4.683957	4.302115	5.092826	0.004213
3.795213	3.277725	2.109713	2.343959	3.074815	2.308258	2.0772	2.449927	0.00413
4.681211	3.273988	2.470718	2.938384	4.648	3.770839	2.97934	3.983963	0.003158
4.318005	2.777772	2.449825	2.793903	3.039263	2.838122	2.933523	3.439492	0.002515
4.288992	4.256318	5.705325	4.734522	3.165648	4.311928	4.075321	4.061639	0.00113
4.952924	3.771504	5.567918	5.60777	4.555067	5.307285	5.086683	4.667406	0.003288
7.409629	6.00517	5.553864	7.030586	7.798982	7.414498	5.744491	6.970946	0.003168
5.684368	4.467148	4.434924	3.803313	5.693146	5.74214	4.510704	4.755393	0.002083
5.508066	4.478037	5.091758	5.891077	4.370882	5.464073	5.849805	5.103458	0.00155
4.715546	3.295221	4.174675	3.520576	4.622862	4.087854	3.554367	4.774267	0.001493
4.557382	3.425559	3.007551	2.988338	4.01426	3.346308	2.954672	4.092666	0.003829
3.814113	3.838682	3.422111	3.940352	5.092974	3.724427	4.290137	4.777948	0.000452
4.324153	5.288762	4.672237	4.545006	5.514548	5.34515	4.526671	5.301347	0.001069
6.686553	5.152825	4.509321	5.124634	5.50913	6.416142	4.841365	5.587296	0.003751
4.189307	5.145009	5.56447	5.313463	4.592069	4.931798	4.500567	5.20976	6.93E-05
2.001516	1.847682	1.779085	2.419918	1.962452	2.386573	1.503908	2.245653	0.00134
3.437805	3.35441	4.111702	4.20974	3.613274	4.389804	3.719571	4.257613	3.58E-05
6.789261	6.306057	5.238681	5.956788	7.151585	6.562333	5.234385	6.901808	0.003792
4.737395	3.909109	3.48987	3.477686	4.752422	4.824748	4.140231	4.563619	0.000514
4.134954	3.076717	4.211506	4.106066	3.625454	3.890028	3.140823	4.502903	0.000573
4.036504	6.381777	5.248593	6.334759	5.561439	4.630724	5.891077	5.650803	0.003879
5.238865	3.720083	3.541407	3.368148	3.895162	4.499803	3.507872	3.862349	0.001776
5.781797	4.131271	3.179532	4.55746	5.076581	6.117295	4.35023	4.925171	0.004143
4.429124	4.07647	4.667476	4.692671	4.352222	4.471747	3.527152	5.336906	0.00051
5.025242	5.738461	5.59806	5.594678	5.144416	5.270447	5.046805	5.350709	1.82E-05
3.693035	2.584506	2.185651	2.693754	3.481327	4.066905	2.925869	3.215871	0.0002
4.680138	4.37388	3.671938	3.45631	3.206731	3.82682	3.715237	3.725179	0.003052
6.103445	5.412947	3.79686	4.485863	5.20833	5.49815	3.933532	4.740278	0.004317
2.873808	1.489967	2.033522	2.419918	2.975749	2.168146	1.503908	2.178617	0.00232
3.275984	4.070275	3.706748	3.818355	3.639969	4.204908	4.172849	3.617665	0.003368
5.359922	6.063643	5.095403	4.773447	6.239022	5.91811	5.75542	6.954154	0.00353
4.532316	5.326038	5.221749	5.830101	4.896409	4.88582	5.756659	4.987519	0.003907
6.515513	4.83375	4.855828	5.222295	6.228149	5.198222	4.649803	6.079077	0.003131
5.625103	3.707385	3.955271	3.289177	4.205741	4.26321	3.481085	5.099199	0.001309
5.567768	3.500569	3.826318	3.854842	5.129228	4.536816	3.249968	4.270854	0.002073
5.366995	4.979752	3.285148	4.701547	4.483634	4.746206	4.434577	5.367514	0.003603
5.376005	4.095278	4.089625	4.835971	4.180013	4.130748	3.962314	5.028295	0.001437
3.846979	3.19197	2.844564	3.15658	2.825005	3.028065	2.620673	2.781336	0.000145
3.843522	3.18448	2.439797	3.360857	3.829545	3.469036	2.977295	3.106026	0.003556
2.752835	1.154713	1.305396	1.549826	1.442724	1.294849	1.266379	2.245653	0.00175
3.655093	3.763855	5.110259	4.200029	4.155509	4.634737	3.45741	3.767626	0.000579
5.579857	6.872865	6.927063	6.633176	6.307796	6.360562	6.870321	5.906419	0.00298

3.728603	2.52029	3.230348	3.7194	3.89476	3.374464	3.159476	3.506766	0.000256
4.21729	3.743346	2.765291	2.799738	3.299808	4.003729	3.596876	3.458427	0.003843
4.021934	3.029756	2.502472	3.14469	4.333834	3.630055	3.020964	4.485567	0.00425
3.161254	1.92881	3.229465	2.273613	3.152014	2.885945	2.129312	3.170437	0.002403
4.328429	3.360763	2.943419	3.34426	3.672115	2.294637	4.027641	3.34787	0.002385
4.949127	3.644749	3.442089	3.650278	4.08506	4.734781	2.458139	4.438338	0.001919
4.89532	4.481525	5.575674	4.719874	4.789879	5.250826	3.915014	5.598553	0.000351
6.299867	6.547881	6.597561	5.493047	7.396496	7.706126	8.426417	8.18789	0.002655
4.105833	4.236271	3.612996	4.100885	5.120965	5.201462	4.108143	5.12517	0.00043
3.632779	4.02032	3.986095	3.360636	4.147708	4.189998	3.709456	4.827853	3.90E-05
3.920561	3.623509	2.25031	3.132821	5.405757	4.28585	3.748859	4.193973	0.001842
6.110223	4.837511	4.496233	4.728157	6.069741	6.619244	4.792555	5.409203	0.004083
3.346936	2.874258	1.737045	2.397625	3.79667	3.101508	2.895083	2.266409	0.000497
3.670061	2.971219	3.075271	2.930542	3.148243	3.411469	2.628602	4.682996	0.000816
5.195807	4.425319	3.573715	4.414234	4.073228	4.325691	4.130624	4.132819	0.000245
5.287317	4.777646	4.719026	4.625266	5.686901	5.465656	5.146066	4.973021	0.000237
5.49189	4.55074	2.748808	3.885114	4.588273	3.834775	3.074795	4.323077	0.001724
3.445325	3.701325	5.376812	3.975877	4.041694	3.786996	4.285651	3.068492	0.003126
3.71483	4.492102	3.148237	3.353573	3.737646	5.13313	3.947145	4.813399	0.000184
3.446836	3.625935	5.645802	5.525832	5.017074	4.873297	4.444621	4.780956	0.002642
4.902777	3.860142	3.097064	3.187461	4.054956	4.632023	2.362649	3.56243	0.002221
3.497003	2.960325	4.792236	4.166986	4.029756	4.025475	4.358053	4.454059	0.003533
4.361241	4.369694	5.214653	4.085448	4.22561	4.456016	3.377865	5.09606	0.004097
4.187839	2.611339	2.580551	2.325213	2.978812	2.905104	2.846504	3.059668	0.003731
3.839785	3.180993	3.830395	4.631903	3.972829	4.048147	3.477446	4.791808	0.000519
7.025353	7.654599	6.121068	6.583484	7.891334	8.084604	7.648929	7.727931	9.97E-05
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3.856198	2.44034	3.451079	4.543691	4.142888	3.390255	2.06719	3.53288	0.000235
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5.141042	4.863485	4.281245	4.693589	5.675761	5.119704	4.70053	4.824235	5.70E-05
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6.411173	5.994939	5.506576	5.939385	6.858415	6.869557	5.97406	6.639968	0.003459
4.879665	4.492502	4.053613	4.824383	4.998681	5.439925	4.066023	4.8712	2.65E-06
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1.91313	3.0236	1.849929	1.67418	1.962452	2.23772	1.437736	1.71382	0.003829
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6.267888	6.90446	6.260657	6.516887	8.54937	7.272278	7.28316	6.880349	0.001339
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