

Table S1. The results of the interaction between novel lncRNAs-mRNAs

source_name	type	target_name	type	free_energy
TCONS_00041386	lncRNA	SNED1	gene	-50
TCONS_00041386	lncRNA	ZNHIT6	gene	-50.53
TCONS_00041386	lncRNA	NEPRO	gene	-50.57
TCONS_00041386	lncRNA	LRRC58	gene	-50.02
TCONS_00041386	lncRNA	ENSOARG00000019003	gene	-50.4
TCONS_00041386	lncRNA	ENSOARG00000001628	gene	-50.8
TCONS_00041386	lncRNA	NCF2	gene	-50.07
TCONS_00041386	lncRNA	ZBTB41	gene	-50.75
TCONS_00041386	lncRNA	ENSOARG00000018514	gene	-50.25
TCONS_00041386	lncRNA	PDSS1	gene	-50.84
TCONS_00041386	lncRNA	GNAS	gene	-50.19
TCONS_00041386	lncRNA	PCK1	gene	-50.64
TCONS_00041386	lncRNA	ENSOARG00000014653	gene	-50.4
TCONS_00041386	lncRNA	IRX3	gene	-50.21
TCONS_00041386	lncRNA	PIWIL4	gene	-50.64
TCONS_00041386	lncRNA	ENSOARG00000013072	gene	-50.03
TCONS_00041386	lncRNA	ANPEP	gene	-50.03
TCONS_00041386	lncRNA	HSP90AA1	gene	-50.85
TCONS_00041386	lncRNA	RUSC2	gene	-50.69
TCONS_00041386	lncRNA	RAB3GAP1	gene	-50.81
TCONS_00041386	lncRNA	IGSF21	gene	-50.95
TCONS_00041386	lncRNA	CCND3	gene	-50.29
TCONS_00041386	lncRNA	ENSOARG00000005094	gene	-50.11
TCONS_00041386	lncRNA	ENSOARG00000015032	gene	-50.4
TCONS_00041386	lncRNA	ENSOARG00000017902	gene	-50.05
TCONS_00041386	lncRNA	ENSOARG00000015179	gene	-50.38
TCONS_00041386	lncRNA	TSHZ1	gene	-50.63
TCONS_00041386	lncRNA	CLCN7	gene	-50.07
TCONS_00041386	lncRNA	ECI1	gene	-50.08
TCONS_00041386	lncRNA	ERN2	gene	-50.26
TCONS_00041386	lncRNA	TRIM56	gene	-50.79
TCONS_00041386	lncRNA	EPO	gene	-50.91
TCONS_00041386	lncRNA	UBE2E1	gene	-50.48
TCONS_00041386	lncRNA	HS1BP3	gene	-50.4
TCONS_00041386	lncRNA	ADGRF3	gene	-50.18
TCONS_00041386	lncRNA	CCDC85A	gene	-50.78
TCONS_00041386	lncRNA	MOB1A	gene	-50.47
TCONS_00041386	lncRNA	KCNH3	gene	-50.42
TCONS_00041386	lncRNA	C12orf57	gene	-50.53
TCONS_00041386	lncRNA	SLC25A13	gene	-50.7
TCONS_00041386	lncRNA	EPHA1	gene	-50.62
TCONS_00041386	lncRNA	UPF1	gene	-50.4

TCONS_00041386	lncRNA	MYO9B	gene	-50.52
TCONS_00041386	lncRNA	FBN3	gene	-50.71
TCONS_00041386	lncRNA	PWWP2A	gene	-50.53
TCONS_00041386	lncRNA	ENSOARG00000018919	gene	-50.09
TCONS_00041386	lncRNA	FITM1	gene	-50.65
TCONS_00041386	lncRNA	ESRP1	gene	-50.15
TCONS_00050059	lncRNA	SNED1	gene	-50.8
TCONS_00050059	lncRNA	NGF	gene	-50.85
TCONS_00050059	lncRNA	B4GALT3	gene	-50.94
TCONS_00050059	lncRNA	SEMA5B	gene	-50.44
TCONS_00050059	lncRNA	EPHB3	gene	-50.71
TCONS_00050059	lncRNA	TNS4	gene	-50.57
TCONS_00050059	lncRNA	TNFRSF1B	gene	-50.57
TCONS_00050059	lncRNA	B3GALT6	gene	-50.92
TCONS_00050059	lncRNA	COLGALT2	gene	-50.58
TCONS_00050059	lncRNA	TMC2	gene	-50.73
TCONS_00050059	lncRNA	STK35	gene	-50.25
TCONS_00050059	lncRNA	BIRC7	gene	-50.75
TCONS_00050059	lncRNA	ENSOARG00000015034	gene	-50.41
TCONS_00050059	lncRNA	NBEAL2	gene	-50.4
TCONS_00050059	lncRNA	ENSOARG00000009133	gene	-50.27
TCONS_00050059	lncRNA	TAPBP	gene	-50.96
TCONS_00050059	lncRNA	AP5B1	gene	-50.8
TCONS_00050059	lncRNA	SHANK2	gene	-50.02
TCONS_00050059	lncRNA	PPP4R1	gene	-50.24
TCONS_00050059	lncRNA	CCBE1	gene	-50.35
TCONS_00050059	lncRNA	PARG	gene	-50.19
TCONS_00050059	lncRNA	SQSTM1	gene	-50.25
TCONS_00050059	lncRNA	KCNN1	gene	-50.52
TCONS_00050059	lncRNA	CXCL14	gene	-50.73
TCONS_00050059	lncRNA	RP2	gene	-50.41
TCONS_00050059	lncRNA	RP2	gene	-50.41
TCONS_00050059	lncRNA	ZNF449	gene	-50.35
TCONS_00061348	lncRNA	ENSOARG00000018428	gene	-50.54
TCONS_00061348	lncRNA	C2CD2	gene	-50.92
TCONS_00061348	lncRNA	ENSOARG00000011275	gene	-50.04
TCONS_00061348	lncRNA	ENSOARG00000004858	gene	-50.04
TCONS_00061348	lncRNA	ENSOARG00000019770	gene	-50.04
TCONS_00061348	lncRNA	GPR173	gene	-50.4
TCONS_00061350	lncRNA	ENSOARG00000018428	gene	-50.54
TCONS_00061350	lncRNA	C2CD2	gene	-50.92
TCONS_00061350	lncRNA	ENSOARG00000011275	gene	-50.04
TCONS_00061350	lncRNA	ENSOARG00000004858	gene	-50.04
TCONS_00061350	lncRNA	ENSOARG00000019770	gene	-50.04

TCONS_00061350	lncRNA	GPR173	gene	-50.4
TCONS_00047742	lncRNA	KLHL30	gene	-50.92
TCONS_00047742	lncRNA	COX20	gene	-50.33
TCONS_00047742	lncRNA	B3GALT6	gene	-50.2
TCONS_00047742	lncRNA	ENSOARG00000006145	gene	-50.98
TCONS_00047742	lncRNA	INSL6	gene	-50.29
TCONS_00047742	lncRNA	ENSOARG00000015120	gene	-50.49
TCONS_00047742	lncRNA	ENSOARG00000005353	gene	-50.01
TCONS_00047742	lncRNA	PROM2	gene	-50.64
TCONS_00047742	lncRNA	ZNF653	gene	-50.69
TCONS_00058942	lncRNA	UGT1A1	gene	-50.53
TCONS_00058942	lncRNA	MED30	gene	-50.63
TCONS_00058943	lncRNA	UGT1A1	gene	-50.53
TCONS_00058943	lncRNA	GORASP1	gene	-50.42
TCONS_00058943	lncRNA	MED30	gene	-50.63
TCONS_00055883	lncRNA	SMIM12	gene	-50.97
TCONS_00055883	lncRNA	ENSOARG00000001909	gene	-50.23
TCONS_00055883	lncRNA	CKM	gene	-50.46
TCONS_00055883	lncRNA	ENSOARG00000002753	gene	-50.51
TCONS_00055883	lncRNA	TRMT9B	gene	-50.02
TCONS_00055883	lncRNA	KCNMB4	gene	-50.31
TCONS_00055883	lncRNA	CDKN2D	gene	-50.92
TCONS_00055883	lncRNA	ENSOARG00000017374	gene	-50.7
TCONS_00055884	lncRNA	SMIM12	gene	-50.97
TCONS_00055884	lncRNA	ENSOARG00000001909	gene	-50.23
TCONS_00055884	lncRNA	CKM	gene	-50.46
TCONS_00055884	lncRNA	ENSOARG00000002753	gene	-50.51
TCONS_00055884	lncRNA	TRMT9B	gene	-50.02
TCONS_00055884	lncRNA	KCNMB4	gene	-50.31
TCONS_00055884	lncRNA	CDKN2D	gene	-50.92
TCONS_00055884	lncRNA	ENSOARG00000017374	gene	-50.7
TCONS_00055885	lncRNA	SMIM12	gene	-50.97
TCONS_00055885	lncRNA	ENSOARG00000001909	gene	-50.23
TCONS_00055885	lncRNA	CKM	gene	-50.46
TCONS_00055885	lncRNA	ENSOARG00000002753	gene	-50.51
TCONS_00055885	lncRNA	TRMT9B	gene	-50.02
TCONS_00055885	lncRNA	KCNMB4	gene	-50.31
TCONS_00055885	lncRNA	CDKN2D	gene	-50.92
TCONS_00055885	lncRNA	ENSOARG00000017374	gene	-50.7
TCONS_00042100	lncRNA	RRAGC	gene	-50.04
TCONS_00042100	lncRNA	ENSOARG00000017541	gene	-50.8
TCONS_00042100	lncRNA	HOXC13	gene	-50.97
TCONS_00042100	lncRNA	PHF21B	gene	-50.17
TCONS_00042102	lncRNA	RRAGC	gene	-50.04

TCONS_00042102	lncRNA	ENSOARG00000017541	gene	-50.8
TCONS_00042102	lncRNA	HOXC13	gene	-50.97
TCONS_00042102	lncRNA	PHF21B	gene	-50.17
TCONS_00042103	lncRNA	RRAGC	gene	-50.04
TCONS_00042103	lncRNA	ENSOARG00000017541	gene	-50.8
TCONS_00042103	lncRNA	HOXC13	gene	-50.97
TCONS_00042103	lncRNA	PHF21B	gene	-50.17
TCONS_00042104	lncRNA	RRAGC	gene	-50.04
TCONS_00042104	lncRNA	CIAO2B	gene	-50.35
TCONS_00042104	lncRNA	ENSOARG00000017541	gene	-50.8
TCONS_00042104	lncRNA	PPT2	gene	-50.37
TCONS_00042104	lncRNA	HOXC13	gene	-50.97
TCONS_00042104	lncRNA	PHF21B	gene	-50.17
TCONS_00042111	lncRNA	NGF	gene	-50.98
TCONS_00042111	lncRNA	ENSOARG00000004385	gene	-50.01
TCONS_00042111	lncRNA	RHBDL3	gene	-50.28
TCONS_00042111	lncRNA	ERICH4	gene	-50.1
TCONS_00050237	lncRNA	NGF	gene	-50.58
TCONS_00050237	lncRNA	ENSOARG00000018130	gene	-50.85
TCONS_00050338	lncRNA	RORC	gene	-50.32
TCONS_00055762	lncRNA	ENSOARG00000001762	gene	-50.2
TCONS_00055762	lncRNA	UBE2Q1	gene	-50.53
TCONS_00055762	lncRNA	ETV3	gene	-50.91
TCONS_00055762	lncRNA	MYBBP1A	gene	-50.9
TCONS_00055762	lncRNA	ENSOARG00000000380	gene	-50.3
TCONS_00055762	lncRNA	ENSOARG00000018341	gene	-50.29
TCONS_00055762	lncRNA	MT3	gene	-50.96
TCONS_00055762	lncRNA	CYP2S1	gene	-50.84
TCONS_00055762	lncRNA	SRRM4	gene	-50.36
TCONS_00055762	lncRNA	ENSOARG00000016908	gene	-50.93
TCONS_00055762	lncRNA	TRMT2A	gene	-50.63
TCONS_00055762	lncRNA	LTBP3	gene	-50.37
TCONS_00055762	lncRNA	C11orf68	gene	-50.2
TCONS_00055762	lncRNA	ARHGAP22	gene	-50.22
TCONS_00055762	lncRNA	LCN8	gene	-50.26
TCONS_00055762	lncRNA	BOLA3	gene	-50.23
TCONS_00055762	lncRNA	KCNH3	gene	-50.04
TCONS_00055762	lncRNA	ENSOARG00000003690	gene	-50.33
TCONS_00055762	lncRNA	ENSOARG00000008109	gene	-50.02
TCONS_00055762	lncRNA	PLXNA4	gene	-50.15
TCONS_00055762	lncRNA	SNAP47	gene	-50.88
TCONS_00055762	lncRNA	BEST2	gene	-50.95
TCONS_00055762	lncRNA	BEST2	gene	-50.95
TCONS_00055762	lncRNA	HTT	gene	-50.62

TCONS_00055762	lncRNA	ENSOARG00000017783	gene	-50.53
TCONS_00055762	lncRNA	PCK2	gene	-50.68
TCONS_00055762	lncRNA	ENSOARG00000001027	gene	-50.14
TCONS_00055762	lncRNA	MFSD4B	gene	-50.32
TCONS_00055762	lncRNA	MFSD4B	gene	-50.32
TCONS_00055762	lncRNA	ENSOARG00000001608	gene	-50.14
TCONS_00055764	lncRNA	ENSOARG00000001762	gene	-50.2
TCONS_00055764	lncRNA	UBE2Q1	gene	-50.53
TCONS_00055764	lncRNA	ETV3	gene	-50.91
TCONS_00055764	lncRNA	ENSOARG00000000380	gene	-50.3
TCONS_00055764	lncRNA	ABL2	gene	-50.36
TCONS_00055764	lncRNA	MT3	gene	-50.96
TCONS_00055764	lncRNA	CYP2S1	gene	-50.84
TCONS_00055764	lncRNA	SRRM4	gene	-50.36
TCONS_00055764	lncRNA	ENSOARG00000016908	gene	-50.93
TCONS_00055764	lncRNA	TRMT2A	gene	-50.63
TCONS_00055764	lncRNA	LTBP3	gene	-50.37
TCONS_00055764	lncRNA	C11orf68	gene	-50.2
TCONS_00055764	lncRNA	ARHGAP22	gene	-50.22
TCONS_00055764	lncRNA	LCN8	gene	-50.26
TCONS_00055764	lncRNA	KCNH3	gene	-50.04
TCONS_00055764	lncRNA	ENSOARG00000008109	gene	-50.02
TCONS_00055764	lncRNA	BEST2	gene	-50.95
TCONS_00055764	lncRNA	BEST2	gene	-50.95
TCONS_00055764	lncRNA	HTT	gene	-50.62
TCONS_00055764	lncRNA	ENSOARG00000017783	gene	-50.53
TCONS_00055764	lncRNA	PCK2	gene	-50.68
TCONS_00055764	lncRNA	ENSOARG00000001027	gene	-50.14
TCONS_00055764	lncRNA	MFSD4B	gene	-50.32
TCONS_00055764	lncRNA	MFSD4B	gene	-50.32
TCONS_00055764	lncRNA	ENSOARG00000005723	gene	-50.46
TCONS_00055764	lncRNA	ENSOARG00000001608	gene	-50.14
TCONS_00055770	lncRNA	ENSOARG00000001762	gene	-50.2
TCONS_00055770	lncRNA	UBE2Q1	gene	-50.53
TCONS_00055770	lncRNA	ETV3	gene	-50.91
TCONS_00055770	lncRNA	ENSOARG00000000380	gene	-50.3
TCONS_00055770	lncRNA	MT3	gene	-50.96
TCONS_00055770	lncRNA	CYP2S1	gene	-50.84
TCONS_00055770	lncRNA	ENSOARG00000016908	gene	-50.93
TCONS_00055770	lncRNA	TRMT2A	gene	-50.63
TCONS_00055770	lncRNA	LTBP3	gene	-50.37
TCONS_00055770	lncRNA	C11orf68	gene	-50.2
TCONS_00055770	lncRNA	ARHGAP22	gene	-50.22
TCONS_00055770	lncRNA	LCN8	gene	-50.26

TCONS_00055770	lncRNA	KCNH3	gene	-50.04
TCONS_00055770	lncRNA	ENSOARG00000003690	gene	-50.33
TCONS_00055770	lncRNA	ENSOARG00000008109	gene	-50.02
TCONS_00055770	lncRNA	BEST2	gene	-50.95
TCONS_00055770	lncRNA	BEST2	gene	-50.95
TCONS_00055770	lncRNA	POLRMT	gene	-50.99
TCONS_00055770	lncRNA	HTT	gene	-50.62
TCONS_00055770	lncRNA	ENSOARG00000017783	gene	-50.53
TCONS_00055770	lncRNA	PCK2	gene	-50.68
TCONS_00055770	lncRNA	ENSOARG00000001027	gene	-50.14
TCONS_00055770	lncRNA	MFSD4B	gene	-50.32
TCONS_00055770	lncRNA	MFSD4B	gene	-50.32
TCONS_00055770	lncRNA	ENSOARG00000005723	gene	-50.46
TCONS_00055770	lncRNA	ENSOARG00000001608	gene	-50.14
TCONS_00055653	lncRNA	UBE2Q1	gene	-50.96
TCONS_00055653	lncRNA	RHBDD3	gene	-50.48
TCONS_00055653	lncRNA	ENSOARG00000004890	gene	-50.46
TCONS_00055653	lncRNA	CD83	gene	-50.78
TCONS_00055653	lncRNA	L3HYPDH	gene	-50.29
TCONS_00055761	lncRNA	UBE2Q1	gene	-50.53
TCONS_00055761	lncRNA	ETV3	gene	-50.91
TCONS_00055761	lncRNA	ENSOARG00000000380	gene	-50.3
TCONS_00055761	lncRNA	GAA	gene	-50.96
TCONS_00055761	lncRNA	ABL2	gene	-50.36
TCONS_00055761	lncRNA	ENSOARG00000018341	gene	-50.29
TCONS_00055761	lncRNA	MT3	gene	-50.96
TCONS_00055761	lncRNA	TRADD	gene	-50.95
TCONS_00055761	lncRNA	TRADD	gene	-50.95
TCONS_00055761	lncRNA	CYP2S1	gene	-50.84
TCONS_00055761	lncRNA	SRRM4	gene	-50.36
TCONS_00055761	lncRNA	ENSOARG00000016908	gene	-50.93
TCONS_00055761	lncRNA	TRMT2A	gene	-50.63
TCONS_00055761	lncRNA	TBC1D2B	gene	-50.22
TCONS_00055761	lncRNA	CCDC88C	gene	-50.95
TCONS_00055761	lncRNA	C11orf68	gene	-50.2
TCONS_00055761	lncRNA	TTC13	gene	-50.2
TCONS_00055761	lncRNA	SPOCK2	gene	-50.82
TCONS_00055761	lncRNA	ARHGAP22	gene	-50.22
TCONS_00055761	lncRNA	KCNH3	gene	-50.04
TCONS_00055761	lncRNA	SNAP47	gene	-50.88
TCONS_00055761	lncRNA	BEST2	gene	-50.95
TCONS_00055761	lncRNA	HTT	gene	-50.62
TCONS_00055761	lncRNA	MFSD4B	gene	-50.32
TCONS_00055761	lncRNA	MFSD4B	gene	-50.32

TCONS_00055763	lncRNA	UBE2Q1	gene	-50.53
TCONS_00055763	lncRNA	ETV3	gene	-50.91
TCONS_00055763	lncRNA	ENSOARG00000000380	gene	-50.3
TCONS_00055763	lncRNA	GAA	gene	-50.96
TCONS_00055763	lncRNA	ABL2	gene	-50.36
TCONS_00055763	lncRNA	ENSOARG00000018341	gene	-50.29
TCONS_00055763	lncRNA	MT3	gene	-50.96
TCONS_00055763	lncRNA	TRADD	gene	-50.95
TCONS_00055763	lncRNA	TRADD	gene	-50.95
TCONS_00055763	lncRNA	CYP2S1	gene	-50.84
TCONS_00055763	lncRNA	SRRM4	gene	-50.36
TCONS_00055763	lncRNA	ENSOARG00000016908	gene	-50.93
TCONS_00055763	lncRNA	TRMT2A	gene	-50.63
TCONS_00055763	lncRNA	TBC1D2B	gene	-50.22
TCONS_00055763	lncRNA	CCDC88C	gene	-50.95
TCONS_00055763	lncRNA	C11orf68	gene	-50.2
TCONS_00055763	lncRNA	TTC13	gene	-50.2
TCONS_00055763	lncRNA	SPOCK2	gene	-50.82
TCONS_00055763	lncRNA	ARHGAP22	gene	-50.22
TCONS_00055763	lncRNA	KCNH3	gene	-50.04
TCONS_00055763	lncRNA	SNAP47	gene	-50.88
TCONS_00055763	lncRNA	BEST2	gene	-50.95
TCONS_00055763	lncRNA	HTT	gene	-50.62
TCONS_00055763	lncRNA	MFSD4B	gene	-50.32
TCONS_00055763	lncRNA	MFSD4B	gene	-50.32
TCONS_00055769	lncRNA	UBE2Q1	gene	-50.53
TCONS_00055769	lncRNA	TUBGCP3	gene	-50.8
TCONS_00055769	lncRNA	SEZ6	gene	-50.91
TCONS_00055769	lncRNA	ENSOARG00000000380	gene	-50.3
TCONS_00055769	lncRNA	CORT	gene	-50.03
TCONS_00055769	lncRNA	ENSOARG00000018341	gene	-50.29
TCONS_00055769	lncRNA	CYP2S1	gene	-50.84
TCONS_00055769	lncRNA	SRRM4	gene	-50.36
TCONS_00055769	lncRNA	TBC1D2B	gene	-50.22
TCONS_00055769	lncRNA	RAD54L2	gene	-50.48
TCONS_00055769	lncRNA	ZNF618	gene	-50.12
TCONS_00055769	lncRNA	NIFK	gene	-50.7
TCONS_00055769	lncRNA	GLYR1	gene	-50.52
TCONS_00055769	lncRNA	LCN8	gene	-50.26
TCONS_00055769	lncRNA	TFPI2	gene	-50.59
TCONS_00055769	lncRNA	ENSOARG00000008109	gene	-50.02
TCONS_00055769	lncRNA	SNAP47	gene	-50.88
TCONS_00055769	lncRNA	BEST2	gene	-50.95
TCONS_00055769	lncRNA	BEST2	gene	-50.95

TCONS_00055769	lncRNA	HTT	gene	-50.62
TCONS_00055769	lncRNA	ENSOARG00000017783	gene	-50.53
TCONS_00055769	lncRNA	ENSOARG00000001027	gene	-50.14
TCONS_00055769	lncRNA	MFSD4B	gene	-50.32
TCONS_00055769	lncRNA	MFSD4B	gene	-50.32
TCONS_00055769	lncRNA	ENSOARG00000014518	gene	-50.62
TCONS_00055769	lncRNA	ENSOARG00000018636	gene	-50.31
TCONS_00055769	lncRNA	ENSOARG00000005723	gene	-50.46
TCONS_00055769	lncRNA	ENSOARG00000001608	gene	-50.14
TCONS_00047603	lncRNA	ENSOARG00000007773	gene	-50.3
TCONS_00047603	lncRNA	UBP1	gene	-50.53
TCONS_00047603	lncRNA	TLN2	gene	-50.45
TCONS_00050068	lncRNA	PSMG1	gene	-50.11
TCONS_00050068	lncRNA	COX20	gene	-50.55
TCONS_00050068	lncRNA	KRTDAP	gene	-50.56
TCONS_00047897	lncRNA	ITGB2	gene	-50.13
TCONS_00047897	lncRNA	ENSOARG00000003242	gene	-50.49
TCONS_00047897	lncRNA	TFEB	gene	-50.5
TCONS_00047897	lncRNA	UXS1	gene	-50.46
TCONS_00047897	lncRNA	RAP1GDS1	gene	-50.16
TCONS_00035416	lncRNA	ENSOARG00000015474	gene	-50
TCONS_00035416	lncRNA	INTS6	gene	-50.69
TCONS_00035416	lncRNA	ENSOARG00000018632	gene	-50.59
TCONS_00035416	lncRNA	ENSOARG00000008882	gene	-50.98
TCONS_00035416	lncRNA	BNC1	gene	-50.95
TCONS_00035416	lncRNA	GLDC	gene	-50
TCONS_00035416	lncRNA	LTO1	gene	-50.61
TCONS_00035416	lncRNA	ADGRB1	gene	-50.3
TCONS_00068565	lncRNA	ENSOARG00000015474	gene	-50.95
TCONS_00068565	lncRNA	VASH2	gene	-50.14
TCONS_00068565	lncRNA	ENSOARG00000005970	gene	-50.21
TCONS_00068565	lncRNA	ENSOARG00000016655	gene	-50.28
TCONS_00068565	lncRNA	PGP	gene	-50.75
TCONS_00068565	lncRNA	AMZ1	gene	-50.37
TCONS_00068565	lncRNA	ENSOARG00000009564	gene	-50.16
TCONS_00035781	lncRNA	TLCD1	gene	-50.52
TCONS_00035781	lncRNA	VASH2	gene	-50.82
TCONS_00035781	lncRNA	ENSOARG00000000727	gene	-50.52
TCONS_00041768	lncRNA	TLCD1	gene	-50.31
TCONS_00041768	lncRNA	SPRY1	gene	-50.89
TCONS_00056428	lncRNA	ENSOARG00000003739	gene	-50.07
TCONS_00056428	lncRNA	ENSOARG00000016328	gene	-50.88
TCONS_00056428	lncRNA	UBE4B	gene	-50.93
TCONS_00056428	lncRNA	NPEPL1	gene	-50.41

TCONS_00056428	lncRNA	TRPC4AP	gene	-50.24
TCONS_00056428	lncRNA	SLC13A3	gene	-50.62
TCONS_00056428	lncRNA	ENSOARG00000005822	gene	-50.56
TCONS_00056428	lncRNA	GLT1D1	gene	-50.24
TCONS_00056428	lncRNA	RAB21	gene	-50.01
TCONS_00056428	lncRNA	ENSOARG00000013595	gene	-50.78
TCONS_00056428	lncRNA	ENSOARG00000013595	gene	-50.93
TCONS_00056428	lncRNA	EXOSC7	gene	-50.76
TCONS_00056428	lncRNA	DNER	gene	-50.26
TCONS_00056428	lncRNA	ENSOARG00000002411	gene	-50.79
TCONS_00056428	lncRNA	NRAP	gene	-50.7
TCONS_00056428	lncRNA	LMAN1	gene	-50.62
TCONS_00056428	lncRNA	ENSOARG00000011205	gene	-50.65
TCONS_00056428	lncRNA	IL1RL2	gene	-50.5
TCONS_00056428	lncRNA	ACP5	gene	-50.61
TCONS_00056428	lncRNA	RTL5	gene	-50.78
TCONS_00047509	lncRNA	WNT9B	gene	-50.86
TCONS_00047509	lncRNA	PLXNA4	gene	-50.87
TCONS_00042070	lncRNA	ENSOARG00000001628	gene	-50.6
TCONS_00042070	lncRNA	ENSOARG00000004551	gene	-50.15
TCONS_00042070	lncRNA	ENSOARG00000004551	gene	-50.15
TCONS_00042070	lncRNA	ENSOARG00000004605	gene	-50.15
TCONS_00042070	lncRNA	ERICH4	gene	-50.83
TCONS_00042070	lncRNA	ENSOARG00000005175	gene	-50.16
TCONS_00042070	lncRNA	MTCP1	gene	-50.16
TCONS_00042071	lncRNA	ENSOARG00000001628	gene	-50.6
TCONS_00042071	lncRNA	ENSOARG00000004551	gene	-50.15
TCONS_00042071	lncRNA	ENSOARG00000004574	gene	-50.15
TCONS_00042071	lncRNA	ENSOARG00000004605	gene	-50.15
TCONS_00042071	lncRNA	ERICH4	gene	-50.83
TCONS_00042071	lncRNA	ENSOARG00000005175	gene	-50.16
TCONS_00042071	lncRNA	MTCP1	gene	-50.16
TCONS_00031848	lncRNA	COX20	gene	-50.77
TCONS_00031848	lncRNA	ENSOARG00000005580	gene	-50.89
TCONS_00031848	lncRNA	FDXACB1	gene	-50.25
TCONS_00033041	lncRNA	COX20	gene	-50.89
TCONS_00049431	lncRNA	COX20	gene	-50.42
TCONS_00049431	lncRNA	ENSOARG00000010608	gene	-50.28
TCONS_00049432	lncRNA	COX20	gene	-50.42
TCONS_00049432	lncRNA	ENSOARG00000010608	gene	-50.28
TCONS_00068607	lncRNA	ZNF281	gene	-50.01
TCONS_00066781	lncRNA	SCAND1	gene	-50.45
TCONS_00066781	lncRNA	ARID4B	gene	-50.75
TCONS_00031865	lncRNA	ESRP2	gene	-50.69

TCONS_00031865	lncRNA	DMPK	gene	-50.49
TCONS_00065829	lncRNA	ENSOARG00000005822	gene	-50.32
TCONS_00065829	lncRNA	NTHL1	gene	-50.45
TCONS_00065829	lncRNA	SOX10	gene	-50.84
TCONS_00041510	lncRNA	PRKD2	gene	-50.43
TCONS_00041510	lncRNA	ENSOARG00000008723	gene	-50.61
TCONS_00041510	lncRNA	SLC26A7	gene	-50.29
TCONS_00041510	lncRNA	ENSOARG00000001141	gene	-50.51
TCONS_00047898	lncRNA	ENSOARG00000003242	gene	-50.49
TCONS_00047898	lncRNA	TFEB	gene	-50.5
TCONS_00040075	lncRNA	ENSOARG00000002582	gene	-50.69
TCONS_00040075	lncRNA	ENSOARG00000010956	gene	-50.5
TCONS_00040075	lncRNA	ENSOARG00000015189	gene	-50.44
<u>TCONS_00058951</u>	lncRNA	OGFOD2	gene	-50.75
TCONS_00058951	lncRNA	PPP1R21	gene	-50.2
TCONS_00058951	lncRNA	ENSOARG00000014964	gene	-50.75
TCONS_00058951	lncRNA	GADD45B	gene	-50.58
TCONS_00058951	lncRNA	ENSOARG00000019560	gene	-50.36
TCONS_00058951	lncRNA	NT5DC1	gene	-50
TCONS_00058904	lncRNA	ENSOARG00000002974	gene	-50.65
TCONS_00058904	lncRNA	UGCG	gene	-50.47
TCONS_00058904	lncRNA	RAB11FIP2	gene	-50.28
TCONS_00058904	lncRNA	ENSOARG00000009129	gene	-50.01
TCONS_00041783	lncRNA	CHMP7	gene	-50.19
TCONS_00040176	lncRNA	ENSOARG00000008914	gene	-50.14
TCONS_00050138	lncRNA	ENSOARG00000017504	gene	-50.88
TCONS_00056036	lncRNA	ENSOARG00000017504	gene	-50.32
TCONS_00056038	lncRNA	ENSOARG00000017504	gene	-50.32
TCONS_00064819	lncRNA	IRF4	gene	-50.17
TCONS_00064819	lncRNA	ADNP2	gene	-50.73
TCONS_00064819	lncRNA	ENSOARG00000019966	gene	-50.8
TCONS_00064819	lncRNA	KIAA0930	gene	-50.08
TCONS_00040166	lncRNA	ENSOARG00000013497	gene	-50.33
TCONS_00065827	lncRNA	NTHL1	gene	-50.45
TCONS_00035670	lncRNA	ENSOARG00000006654	gene	-50.72
TCONS_00033503	lncRNA	FNDC4	gene	-50.78
TCONS_00055679	lncRNA	ENSOARG00000011205	gene	-50.38
TCONS_00047621	lncRNA	ENSOARG00000017783	gene	-50.01
TCONS_00039006	lncRNA	ENSOARG00000012562	gene	-50.23
TCONS_00035643	lncRNA	SLC27A2	gene	-50.72
TCONS_00035644	lncRNA	SLC27A2	gene	-50.72
TCONS_00048583	lncRNA	OPRK1	gene	-50.75
TCONS_00037908	lncRNA	ENSOARG00000002186	gene	-50.07
TCONS_00042100	lncRNA	NTHL1	gene	-90.81

TCONS_00042102	lncRNA	NTHL1	gene	-90.81
TCONS_00042103	lncRNA	NTHL1	gene	-90.81
TCONS_00042104	lncRNA	NTHL1	gene	-90.81
TCONS_00035416	lncRNA	ENSOARG00000019538	gene	-80.56
TCONS_00042100	lncRNA	BEST2	gene	-70.71
TCONS_00042100	lncRNA	BEST2	gene	-70.71
TCONS_00042102	lncRNA	BEST2	gene	-70.71
TCONS_00042102	lncRNA	BEST2	gene	-70.71
TCONS_00042103	lncRNA	BEST2	gene	-70.71
TCONS_00042103	lncRNA	BEST2	gene	-70.71
TCONS_00042104	lncRNA	BEST2	gene	-70.71
TCONS_00042104	lncRNA	BEST2	gene	-70.71
TCONS_00035416	lncRNA	TAF9B	gene	-70.31
TCONS_00031848	lncRNA	CORT	gene	-60.36
TCONS_00055761	lncRNA	ATAD3A	gene	-60.79
TCONS_00055761	lncRNA	HADHA	gene	-60.9
TCONS_00055762	lncRNA	ATAD3A	gene	-60.79
TCONS_00055762	lncRNA	DEXI	gene	-60.75
TCONS_00055762	lncRNA	TBC1D10B	gene	-60.39
TCONS_00055762	lncRNA	HADHA	gene	-60.9
TCONS_00055763	lncRNA	ATAD3A	gene	-60.79
TCONS_00055763	lncRNA	ATAD3A	gene	-60.9
TCONS_00055764	lncRNA	ATAD3A	gene	-60.79
TCONS_00055764	lncRNA	DEXI	gene	-60.75
TCONS_00055764	lncRNA	TBC1D10B	gene	-60.39
TCONS_00055764	lncRNA	HADHA	gene	-60.9
TCONS_00055769	lncRNA	ATAD3A	gene	-60.79
TCONS_00055769	lncRNA	DEXI	gene	-60.75
TCONS_00055769	lncRNA	TBC1D10B	gene	-60.39
TCONS_00055770	lncRNA	ATAD3A	gene	-60.79
TCONS_00055770	lncRNA	TBC1D10B	gene	-60.39
TCONS_00042100	lncRNA	SLC35C2	gene	-60.15
TCONS_00042102	lncRNA	SLC35C2	gene	-60.15
TCONS_00042103	lncRNA	SLC35C2	gene	-60.15
TCONS_00042104	lncRNA	SLC35C2	gene	-60.15
TCONS_00068565	lncRNA	MT3	gene	-60.1
TCONS_00068565	lncRNA	HOXC13	gene	-60.61
TCONS_00041386	lncRNA	ENSOARG00000007211	gene	-60.09
TCONS_00041386	lncRNA	LEMD2	gene	-60.53
TCONS_00041386	lncRNA	TBC1D10B	gene	-60.16
TCONS_00058951	lncRNA	EPS8L1	gene	-60.99
TCONS_00050059	lncRNA	GSN	gene	-60.54
TCONS_00047742	lncRNA	CDKN2D	gene	-60.1