表 6. 在长寿哺乳动物中受到放松选择的显著相关基因.

Ensembl ID	Symbol	Type of Correlated Gene	K value	pvalue	Ensembl ID	Symbol	Type of Correlated Gene	K value	pvalue	Ensembl ID	Symbol	Type of Correlated Gene	K value	pvalue
ENSG00000134871	COL4A2	Positive	0.79	0	ENSG00000174684	B4GAT1	Positive	0.56	0.0001	ENSG00000173230	GOLGB1	Negative	0.62	0.006
ENSG00000187498	COL4A1	Positive	0.56	0	ENSG00000197444	OGDHL	Positive	0.84	0.0001	ENSG00000133863	TEX15	Negative	0.76	0.006
ENSG00000196431		Positive	0.04	0	ENSG00000068308		Positive	0.76	0.0001	ENSG00000174405		Negative	0.76	0.0072
ENSG00000143155		Positive	0.54	0	ENSG00000083097		Negative	0.84	0.0001	ENSG00000167483		Negative	0.65	0.0073
ENSG00000099840		Positive	0.12	0	ENSG00000231256		Positive	0.54	0.0002	ENSG00000136122		Negative	0.54	0.0073
ENSG00000165186		Positive	0.68	0	ENSG00000196876		Positive	0.73	0.0002	ENSG00000103051		Positive	0.84	0.0074
ENSG00000106113		Positive	0.51	0	ENSG00000100053		Positive	0.68	0.0002	ENSG00000203780		Positive	0.81	0.0076
ENSG00000143401		Positive Positive	0.22	0	ENSG00000139197		Positive Positive	0.64	0.0003	ENSG00000126895		Positive Positive	0.44	0.0077
ENSG00000163638 ENSG00000170881		Positive	0.79	0	ENSG00000083290 ENSG00000084710		Positive	0.84	0.0003	ENSG00000168743 ENSG00000155158		Positive	0.77 0.51	0.0077 0.0078
ENSG00000170881		Positive	0.39	0	ENSG00000084710		Positive	0.82	0.0003	ENSG00000133138 ENSG00000188783		Positive	0.55	0.0078
ENSG00000171103 ENSG00000072041		Positive	0.72	0	ENSG00000011077		Positive	0.32	0.0003	ENSG00000188783		Positive	0.75	0.0091
ENSG00000072041		Positive	0.54	0	ENSG00000107236		Positive	0.04	0.0004	ENSG00000188103		Positive	0.73	0.0102
ENSG00000017097		Positive	0.54	0	ENSG00000100341		Positive	0.63	0.0004	ENSG00000215536		Positive	0.8	0.0102
ENSG00000177479		Positive	0.51	0	ENSG00000134824		Positive	0.05	0.0004	ENSG00000115478		Positive	0.82	0.0104
ENSG00000160179		Positive	0.63	0	ENSG00000146729		Positive	0.56	0.0005	ENSG00000139044		Negative	0.84	0.0108
ENSG00000119125		Positive	0	0	ENSG00000164082		Positive	0.81	0.0005	ENSG00000036054		Positive	0.65	0.011
ENSG00000146904	EPHA1	Positive	0.05	0	ENSG00000031698	SARS	Positive	0.64	0.0005	ENSG00000105737	GRIK5	Positive	0.73	0.0111
ENSG00000173221	GLRX	Positive	0.44	0	ENSG00000174943	KCTD13	Positive	0.67	0.0005	ENSG00000185697	MYBLI	Positive	0.83	0.0116
ENSG00000157219	HTR5A	Positive	0.73	0	ENSG00000124449		Positive	0.69	0.0006	ENSG00000138111	MFSD13A	Positive	0.76	0.0118
ENSG00000101346		Positive	0.41	0	ENSG00000143882		Positive	0.81	0.0007	ENSG00000114650		Positive	0.9	0.0119
ENSG00000114541		Positive	0.77	0	ENSG00000136937		Positive	0.6	0.0007	ENSG00000136141		Negative	0.77	0.0125
ENSG00000151276		Positive	0.85	0	ENSG00000109689		Positive	0.71	0.0008	ENSG00000106336		Positive	0.49	0.0127
ENSG00000156453		Positive	0.72	0	ENSG00000136449		Positive	0.2	0.0008	ENSG00000188404		Negative	0	0.0129
ENSG00000178031		Positive	0.55	0	ENSG00000154188		Positive	0.47	0.0008	ENSG00000124067		Positive	0.87	0.0134
ENSG00000114648		Positive	0.7	0	ENSG00000178878		Positive Positive	0.63	0.0008	ENSG00000119314		Positive Positive	0.68	0.014
ENSG00000167210		Positive Positive	0.78	0	ENSG000001107295		Positive	0.71	0.0009	ENSG00000113569 ENSG00000136932		Negative	0.88	0.0141
ENSG00000062194 ENSG00000146166		Positive	0.38	0	ENSG00000119242 ENSG00000142530		Positive	0.05	0.0009	ENSG00000136932 ENSG00000111432		Positive	0.74	0.0143
ENSG00000140100		Positive	0.73	0	ENSG00000142330		Positive	0.03	0.0009	ENSG00000111432 ENSG00000117877		Negative	0.74	0.0144
ENSG00000248740		Positive	0.67	0	ENSG00000181204		Positive	0.45	0.001	ENSG00000117877		Positive	0.41	0.0158
ENSG00000096063		Positive	0.44	0	ENSG00000120033		Positive	0.83	0.001	ENSG00000150400		Positive	0.62	0.0159
ENSG00000172340		Positive	0.1	0	ENSG00000166268		Negative	0.52	0.001	ENSG00000118508		Positive	0.59	0.016
ENSG00000110048		Positive	0.26	Ö	ENSG00000092529		Positive	0.79	0.001	ENSG00000136861		Negative	0.28	0.0169
ENSG00000183092		Positive	0.47	0	ENSG00000169604		Positive	0.79	0.0011	ENSG00000244694		Positive	0.67	0.0184
ENSG00000100012		Positive	0.53	0	ENSG00000116147		Positive	0.87	0.0011	ENSG00000136003		Positive	0.79	0.0194
ENSG00000273079	GRIN2B	Positive	0.8	0	ENSG00000013441		Positive	0.66	0.0012	ENSG00000198586		Positive	0.58	0.0207
ENSG00000117399	CDC20	Positive	0.04	0	ENSG00000156787	TBC1D31	Negative	0.74	0.0012	ENSG00000120798	NR2C1	Positive	0.84	0.0216
ENSG00000001460		Positive	0.41	0	ENSG00000157119		Positive	0.82	0.0015	ENSG00000011347		Positive	0.5	0.0226
ENSG00000154309		Positive	0.76	0	ENSG00000166004		Negative	0	0.0016	ENSG00000137177		Negative	0.83	0.023
ENSG00000151012		Positive	0.46	0	ENSG00000168259		Positive	0.75	0.0016	ENSG00000198056		Negative	0	0.0233
ENSG00000105370		Positive	0.51	0	ENSG00000174839		Positive	0.75	0.0016	ENSG00000135968		Negative	0.69	0.0249
ENSG00000107651		Positive Positive	0.68	0	ENSG00000068120		Positive	0.76	0.0017	ENSG00000187730		Positive	0.88	0.0252
ENSG00000138002 ENSG00000198003		Positive Positive	0.66 0.48	0	ENSG00000138182 ENSG00000160695		Negative Positive	0.74	0.0017 0.0018	ENSG00000198924 ENSG00000178502		Negative Positive	0.81	0.0264
		Positive	0.48	0			Positive	0.83	0.0018	ENSG00000178302 ENSG00000161929		Negative	0.76	
ENSG00000131459 ENSG00000185559		Positive	0.78	0	ENSG00000146802 ENSG00000177181		Positive	0.74	0.0019	ENSG00000181929 ENSG00000131188		Positive	0.07	0.0278 0.0278
ENSG00000183333		Positive	0.83	0	ENSG00000177181		Positive	0.81	0.0022	ENSG00000131188		Positive	0.87	0.0278
ENSG00000162771		Positive	0.43	0	ENSG00000197859		Positive	0.86	0.0024	ENSG000000107175		Negative	0.37	0.0288
ENSG00000134294		Positive	0.26	0	ENSG00000157633		Positive	0.75	0.0024	ENSG00000162368		Positive	0.65	0.0289
ENSG00000113361		Positive	0.61	0	ENSG00000148459		Positive	0.69	0.0028	ENSG00000168539		Positive	0.82	0.0296
ENSG00000154127		Positive	0.75	0	ENSG000001111224		Positive	0.72	0.003	ENSG00000169717		Positive	0.82	0.0296
ENSG00000178394		Positive	0.5	0	ENSG00000124702		Positive	0.74	0.0031	ENSG00000111644		Positive	0.71	0.0302
ENSG00000165633	VSTM4	Positive	0.37	0	ENSG00000111679	PTPN6	Positive	0.81	0.0031	ENSG00000131386	GALNT15	Negative	0.79	0.0341
ENSG00000176927		Positive	0.07	0	ENSG00000034053		Positive	0.84	0.0031	ENSG00000066933		Negative	0.77	0.0354
ENSG00000125257		Positive	0.75	0	ENSG00000112619		Positive	0.73	0.0034	ENSG00000111602		Negative	0.82	0.0361
ENSG00000146555		Positive	0.82	0	ENSG00000204655		Positive	0.57	0.0034	ENSG00000010626		Positive	0.57	0.037
ENSG00000138180		Positive	0	0	ENSG00000118242		Positive	0.61	0.0039	ENSG00000164684		Positive	0.86	0.0378
ENSG00000149403		Positive	0.78	0	ENSG00000119946		Positive	0.75	0.004	ENSG00000227057		Negative	0.72	0.0386
ENSG00000170852		Positive	0.68	0	ENSG00000165091		Positive	0.73	0.004	ENSG00000102890		Positive	0.84	0.0392
ENSG00000155363		Positive	0.72	0	ENSG00000215187		Negative	0.23	0.0042	ENSG00000105971		Positive	0.71	0.0403
ENSG00000111581 ENSG00000175084		Positive Positive	0.69 0.69	0	ENSG00000088833 ENSG00000077522		Positive Positive	0.75 0.81	0.0043	ENSG00000175137 ENSG00000110436		Positive Positive	0.75 0.87	0.0407 0.0416
ENSG00000175084 ENSG00000111142		Positive Positive	0.69	0	ENSG00000077522 ENSG00000135517		Positive	0.81	0.0043	ENSG00000110436 ENSG00000124659		Positive Positive	0.87	0.0416
ENSG00000111142 ENSG00000163468		Positive	0.54	0	ENSG00000133317 ENSG00000162236		Positive	0.53	0.0043	ENSG00000124659 ENSG00000113231		Positive	0.23	0.0431
ENSG00000163468 ENSG00000070961		Positive	0.52	0	ENSG00000162236		Negative	0.77	0.0044	ENSG00000113231 ENSG00000095059		Positive	0.86	0.0438
ENSG00000070901		Positive	0.08	0	ENSG00000139304		Positive	0.5	0.0044	ENSG000000093039 ENSG000000007952		Negative	0.62	0.0444
ENSG00000110138 ENSG00000118495		Positive	0.22	0	ENSG00000183823		Positive	0.77	0.0048	ENSG00000007932 ENSG000000158352		Negative	0.72	0.0445
ENSG00000118493		Positive	0.72	0	ENSG00000100013		Positive	0.8	0.0051	ENSG00000138332 ENSG00000025293		Negative	0.72	0.0449
ENSG00000166250		Positive	0.75	0.0001	ENSG00000138892		Negative	0.64	0.0051	ENSG00000023293 ENSG00000007255		Positive	0.32	0.0455
ENSG00000078549		Positive	0.74	0.0001	ENSG00000052578		Positive	0.76	0.0053	ENSG000000072506		Positive	0.58	0.0456
ENSG00000185522		Positive	0.18	0.0001	ENSG00000183671		Positive	0.03	0.0055	ENSG00000155087		Positive	0.76	0.0459
ENSG00000123444		Positive	0.74	0.0001	ENSG00000067606		Positive	0.54	0.0055					
	PANK4	Positive	0.84	0.0001	ENSG00000131323		Positive	0.77	0.0057					