

Homo sapien best hit	GenBank acc. cichlid	Ka/Ks ratio	p- distance
[NP_000276.1] Xaa-Pro dipeptidase; proline dipeptidase	DY628286	0	0.006
[NP_000060.1] calcium channel, voltage-dependent, L type, alpha 1S subunit; calcium	DY627704	0	0.025
[NP_002492.1] nuclear factor I/X (CCAAT-binding transcription factor)	BJ684881	0.0188	0.037
[NP_006574.1] peropsin	DY628165	0.6	0.04
[NP_694592.1] protein-tyrosine kinase fyn isoform b; proto-oncogene	CN469350	0.0121	0.044
[XP_371813.2] PREDICTED: kinesin family member C1	DY627797	0.5	0.051
[NP_742055.1] eyes absent 1 isoform b; Eyes absent, Drosophila, homolog of, 1;	BJ693416	0.0349	0.058
[NP_000977.1] ribosomal protein L24; 60S ribosomal protein L24; ribosomal protein	BJ684650	0.0419	0.059
[NP_001264.1] chromodomain helicase DNA binding protein 4; Mi-2b	BJ687855	0.0305	0.068
[NP_057399.1] GULP, engulfment adaptor PTB domain containing 1; engulfment	CN469384	0.0219	0.073
[NP_061133.1] peroxisomal membrane protein 2, 22kDa; peroxisomal membrane protein	DY628735	0.4231	0.074
[NP_004437.1] glutamyl-prolyl tRNA synthetase; glutamate tRNA ligase	BJ676918	0.012	0.08
[NP_001924.2] dihydrolipoamide S-succinyltransferase (E2 component of	BJ679359	0.0255	0.094
[NP_001369.1] dynein, cytoplasmic, intermediate polypeptide 2	BJ703324	0.0073	0.099
[NP_077022.1] mitogen-activated protein kinase associated protein 1; ras	DY626351	0.0353	0.101
[NP_073557.3] DiGeorge syndrome critical region gene 8	CN469327	0.0364	0.104
[NP_002075.2] plasma glutathione peroxidase 3 precursor	DY627877	1.3043	0.106
[NP_004495.2] HIV-1 Rev binding protein; nucleoporin-like protein RIP; Rab,	CN468756	0.0241	0.107
[NP_056067.1] NPF/calponin-like protein; EH domain-binding protein 1	CN469453	0.0015	0.108
[NP_003984.2] CDC-like kinase 2 isoform 1; dual specificity protein kinase CLK2;	BJ699169	0.0544	0.109
[NP_056371.1] signal-induced proliferation-associated 1 like 1; signal-induced	BJ668716	0.0063	0.11
[NP_000993.1] ribosomal protein P0; 60S acidic ribosomal protein P0; acidic	BJ701638	0.053	0.111
[NP_001297.1] claudin 3; Clostridium perfringens enterotoxin receptor 2; rat	DY631785	1.5556	0.115
[NP_004312.2] axonal transport of synaptic vesicles; kinesin, heavy chain, member	DY632057	0.0393	0.123
[NP_005494.2] amyloid beta A4 precursor protein-binding, family A, member 2;	CN469652	0.02	0.127
[NP_006304.1] ubiquitin specific protease 15; deubiquitinating enzyme	BJ693203	0.048	0.128
[NP_004969.2] Shaw-related voltage-gated potassium channel protein 4 isoform a;	DY631758	0.7808	0.13
[NP_057365.2] STE20-like kinase; STE2-like kinase	BJ685775	0.0266	0.137
[NP_783860.1] synaptotagmin IX	CN470765	0.0194	0.14
[NP_003281.1] tropomyosin 4	BJ674753	0.0384	0.145
[NP_000981.1] ribosomal protein L27a; 60S ribosomal protein L27a	BJ682982	0.0861	0.145
[NP_001261.1] chromodomain helicase DNA binding protein 1	BJ671483	0.0072	0.147
[NP_005075.2] phospholipase A2, group VII; platelet-activating factor	DY628278	0.7794	0.15
[NP_000430.3] proprotein convertase subtilisin/kexin type 1 preproprotein;	CN469887	3.7763	0.15
[NP_004244.1] phospholipase A2-activating protein; phospholipase A2 activating	BJ703212	0.0631	0.15
[NP_056271.2] cofactor of BRCA1; negative elongation factor protein B	BJ689040	0.0374	0.153
[NP_001545.2] cysteine-rich, angiogenic inducer, 61; cysteine-rich, anigogenic	BJ692405	0.0759	0.154
[NP_004073.2] dynactin 1 isoform 1; p150, Glued (Drosophila) homolog; dynactin 1	CN471126	0.0874	0.155
[NP_114072.1] frizzled 8; frizzled (Drosophila) homolog 8	DY626075	0.0422	0.157
[NP_542197.1] alpha 1 type XI collagen isoform C preproprotein; collagen XI,	BJ668630	0.035	0.159
[NP_078974.1] mitochondrial glutamate carrier 1	BJ688909	0.0905	0.162
[NP_005678.2] phenylalanine-tRNA synthetase-like, beta subunit; phenylalanyl-tRNA	BJ692171	0.0757	0.162
[NP_006197.1] platelet-derived growth factor receptor alpha precursor	BJ690723	0.0017	0.163
[NP_003240.1] thimet oligopeptidase 1	BJ691014	0.0778	0.164
[NP_009186.1] xylosylprotein beta 1,4-galactosyltransferase 7;	BJ695358	0.0745	0.165
[NP_872579.2] fetal Alzheimer antigen isoform 1; fetal Alz-50 reactive clone 1;	BJ701592	0.0349	0.165
[NP_057165.2] palladin; CGI-151 protein	BJ690747	0.0521	0.166
[NP_004521.1] matrix metalloproteinase 2 preproprotein; gelatinase neutrophil;	BJ694547	0.0645	0.166

[NP_056111.1] dedicator of cytokinesis 9	CN469939	0.0667	0.167
[NP_006651.2] ClpX caseinolytic protease X homolog; energy-dependent regulator of	BJ673221	0.0162	0.167
[NP_060004.2] myosin, heavy polypeptide 2, skeletal muscle, adult	BJ674015	0.0441	0.167
[NP_954580.1] ubiquitin-conjugating enzyme E2 variant 1	BJ685697	0.1036	0.168
[NP_149351.1] surfeit 4; surfeit locus protein 4; surface 4 integral membrane	BJ677148	0.0335	0.169
[NP_000503.1] N-acetylgalactosamine-6-sulfatase precursor; chondroitinase;	BJ693255	0.0526	0.169
[NP_001164.1] Rho GTPase activating protein 5	BJ686112	0.0363	0.172
[NP_003613.2] PTPRF interacting protein binding protein 1 isoform 1; liprin-beta 1;	BJ693077	0.0186	0.172
[NP_001449.1] gamma filamin; filamin C, gamma (actin-binding protein-280); filamin	BJ684635	0.063	0.173
[NP_001348.1] DEAH (Asp-Glu-Ala-His) box polypeptide 9 isoform 1; ATP-dependent RNA	DY630855	0.0189	0.174
[NP_000850.1] 3-hydroxy-3-methylglutaryl-Coenzyme A reductase	BJ700149	0.0228	0.176
[NP_631898.1] dipeptidylpeptidase 9; dipeptidyl peptidase 9; dipeptidyl peptidase	CN470065	0.0915	0.178
[NP_000628.1] glutathione reductase	BJ683618	0.0457	0.178
[NP_005955.1] myosin, heavy polypeptide 10, non-muscle; myosin heavy chain,	BJ696841	0.0186	0.179
[NP_932332.1] glucosamine-phosphate N-acetyltransferase 1	BJ691214	0.0418	0.182
[NP_002100.2] histidyl-tRNA synthetase; histidine-tRNA ligase; HisRS; histidine	BJ694216	0.0521	0.183
[NP_005782.1] M-phase phosphoprotein 10	DY628233	0.7037	0.184
[NP_065116.2] X-prolyl aminopeptidase (aminopeptidase P) 1, soluble; X-prolyl	BJ701510	0.0129	0.184
[NP_203750.3] mitogen-activated protein kinase 8 interacting protein 3 isoform 2;	CN468708	0.095	0.185
[NP_037457.3] APG4 autophagy 4 homolog B isoform a; autophagin-1	BJ693415	0.0586	0.185
[NP_002878.2] arginyl-tRNA synthetase	BJ697670	0.0023	0.186
[NP_006074.1] RED protein; RD element; prer protein; IK factor;	DY627427	0.0392	0.187
[NP_031401.1] TAR DNA binding protein; TAR DNA-binding protein-43	CN468754	0.0486	0.188
[NP_476500.1] endothelial differentiation, lysophosphatidic acid	DY630256	0.0536	0.188
[NP_003280.2] tropomyosin 2 (beta) isoform 1; arthrogryposis multiplex	BJ683045	0.0466	0.189
[NP_001339.1] death-associated protein kinase 3	BJ674422	0.0642	0.19
[NP_002145.3] heat shock 70kDa protein 4 isoform a; heat shock 70kD protein 4	BJ691037	0.0392	0.19
[NP_000180.2] hexokinase 2; hexokinase-2, muscle	BJ689488	0.0042	0.191
[NP_061957.2] cyclin J	BJ699157	0.0351	0.193
[XP_371474.2] PREDICTED: plexin B2	BJ684903	0.0552	0.195
[NP_004748.2] small inducible cytokine subfamily E, member 1; endothelial	BJ685307	0.0541	0.195
[NP_000149.1] glucan (1,4-alpha-), branching enzyme 1 (glycogen branching	BJ688578	0.0542	0.195
[NP_542164.2] oxysterol-binding protein-like 1A isoform B; oxysterol-binding	CN468818	0.0156	0.197
[NP_001027.2] ryanodine receptor 3	BJ694127	0.0848	0.198
[NP_000084.2] alpha 1 type V collagen preproprotein	BJ670714	0.1171	0.2
[NP_055316.1] ubiquitin carrier protein; ubiquitin-conjugating enzyme E2-24 kD;	BJ674752	0.0923	0.202
[NP_036322.2] formyltetrahydrofolate dehydrogenase isoform a	CN470753	0.2445	0.203
[NP_002787.2] proteasome beta 4 subunit; proteasome subunit, beta type, 4;	DY626588	0.1461	0.203
[NP_002513.1] neuronal pentraxin I precursor	CN468907	0.0914	0.204
[NP_057531.2] membrane protein, palmitoylated 6; MAGUK protein p55T; protein	CN469732	0.0431	0.204
[NP_075053.2] zinc transporter ZTL1; zinc transporter 5	BJ700354	0.0023	0.205
[NP_037428.2] G-protein signalling modulator 2 (AGS3-like, C. elegans); LGN	BJ695914	0.0205	0.207
[NP_000687.2] aldehyde dehydrogenase 9A1; gamma-aminobutyraldehyde dehydrogenase;	BJ701067	0.0726	0.207
[NP_056323.2] TCDD-inducible poly(ADP-ribose) polymerase	DY625879	0.0033	0.208
[NP_115984.1] protein phosphatase 1, regulatory subunit 9B; neurabin II;	BJ690319	0.0715	0.209
[NP_004664.1] angiopoietin-like 1 precursor; angiopoietin 3; angiopoietin Y1	BJ690922	0.0204	0.213
[NP_057375.1] inositol hexaphosphate kinase 2; mammalian inositol	DY631850	0.0558	0.213
[NP_001223.1] cardiac calsequestrin 2; calsequestrin 2, cardiac muscle;	BJ670795	0.0642	0.217
[NP_114402.1] N-myc downstream-regulated gene 3 isoform a; N-myc	CN470617	0.0521	0.219
[NP_002422.1] menage a trois 1 (CAK assembly factor); cyclin G1 interacting	DY628021	1.1881	0.221
[NP_055179.1] glyceraldehyde-3-phosphate dehydrogenase, spermatogenic;	BJ690842	0.1228	0.222
[NP_060729.2] tetratricopeptide repeat domain 17	DY627279	0.0152	0.222

NP_775105.1 SNF2 histone linker PHD RING helicase; 2610103K11Rik	BJ697939	0.0346	0.222
NP_006138.1 interferon regulatory factor 6; Popliteala pterygium syndrome	BJ685456	0.0388	0.223
NP_002538.1 oligophrenin 1; oligophrenin-1, Rho-GTPase activating protein	BJ672227	0.064	0.224
NP_057456.1 seven transmembrane domain orphan receptor; transmembrane domain	DY629566	0.0786	0.226
NP_006789.1 UDP glycosyltransferase 2 family, polypeptide A1; UDP	DY629774	0.0155	0.228
NP_116262.2 nm23-phosphorylated unknown substrate; SH3 domain-containing 70 kDa	BJ693084	0.0885	0.231
NP_004206.1 estrogen receptor binding site associated antigen 9; cancer	BJ701417	0.0706	0.232
NP_000184.1 sonic hedgehog preproprotein	BJ703040	0.0777	0.233
NP_849189.1 sideroflexin 2	BJ687393	0.1028	0.233
NP_110448.2 phospholipase A2, group XIIA; group XII secreted phospholipase A2;	BJ703348	0.0386	0.235
NP_001783.2 cadherin 2, type 1 preproprotein; cadherin 2, N-cadherin	BJ680852	0.0642	0.237
NP_071939.1 zinc finger, DHHC domain containing 6	DY628782	0.3895	0.239
NP_055048.1 upstream binding transcription factor, RNA polymerase I	CN470191	0.0785	0.239
NP_000144.1 galactosylceramidase precursor; galactocerebrosidase;	BJ676310	0.0262	0.24
NP_000689.1 arachidonate 5-lipoxygenase	BJ698470	0.0846	0.242
NP_006613.1 polo-like kinase 2; serum-inducible kinase	BJ697217	0.0071	0.243
NP_003238.2 thrombospondin 2 precursor	BJ689989	0.05	0.244
NP_060752.1 paraspeckle protein 1	CN468873	0.0041	0.244
NP_001740.1 calpain, small subunit 1; calcium-activated neutral proteinase;	BJ670938	0.0626	0.245
NP_056210.1 DKFZP434B0335 protein	BJ695451	0.4116	0.246
NP_078932.2 hypothetical protein FLJ22329	BJ697568	0.2964	0.246
NP_056349.1 zinc finger, ZZ domain containing 3	BJ688763	0.1254	0.247