

Table 7. Genes involved in developmental processes GO, *n* =434

Symbol	Seq. Identifier	UniGene ID*
	BF043309	Hs.511819
	BF041283	Hs.504964
	AW463067	Hs.179574
	BF044966	Hs.509199
	BM364954	Hs.512306
	AW464019	Hs.203961
	AW463150	Hs.506074
	AW461741	Hs.515249
	BF044100	Hs.521331
	AW463943	
	AW463582	Hs.373908
	BF044463	Bt.1898
	BM364572	
	AW465699	Hs.525330
	AW465896	Bt.16905
	BF040211	Hs.449423
<i>ADAM28</i>	AW461333	Hs.174030
<i>ADAMDEC1</i>	BF041123	Hs.145296
<i>AF3P21</i>	BF043565	Hs.102929
<i>AGPAT1</i>	BF045777	Hs.409230
<i>AKAP11</i>	BF045445	Hs.414995
<i>AKAP12</i>	AW463034	Hs.197081
<i>AKAP13</i>	BF039380	Hs.350631
<i>AKAP9</i>	BF041822	Hs.58103
<i>AMFR</i>	BF041516	Hs.295137
<i>ANAPC5</i>	AW465257	Hs.7101
<i>ANKRD1</i>	AW464818	Hs.448589
<i>ANXA1</i>	BF042369	Hs.287558
<i>ANXA2</i>	AW466147	Hs.462864
<i>ANXA5</i>	AW461400	Hs.145741
<i>APPBP2</i>	BF046670	Hs.84084
<i>ARF1</i>	AW463199	Hs.286221
<i>ARF4</i>	AW462057	Hs.435639
<i>ARF4L</i>	BF045491	Hs.183153
<i>ARF5</i>	AW464330	Hs.430657
<i>ARHA</i>	AW464331	Hs.77273
<i>ARHE</i>	AW464395	Hs.6838
<i>ARHGDIB</i>	BF042389	Hs.292738
<i>ARHGEF3</i>	BF043067	Hs.25951
<i>ARHQ</i>	BF044629	Hs.442989
<i>ARL10B</i>	AW462077	Hs.348709
<i>ARL4</i>	AW465353	Hs.245540
<i>ARL7</i>	BF044311	Hs.111554
<i>ARNT</i>	AW463312	Hs.131494
<i>ARRDC2</i>	AW463113	Hs.30882
<i>ASXL1</i>	BF042599	Hs.3686
<i>ATP5J</i>	AW464223	Hs.246310
<i>AXL</i>	AW465195	Hs.83341
<i>BATI</i>	AW462165	Hs.254042
<i>BAT2</i>	BF042416	Hs.436093

<i>BCR</i>	BF039805	Hs.446394
<i>BMP2K</i>	BF041037	Hs.20137
<i>BRD2</i>	BF044619	Hs.75243
<i>BSG</i>	AW465714	Hs.501293
<i>BUB3</i>	AW465572	Hs.418533
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<i>C5orf7</i>	BF042776	Hs.24125
<i>C7orf30</i>	BF043931	Hs.87385
<i>C8orf1</i>	BF045975	Hs.436445
<i>CALM1</i>	BF043886	Hs.282410
<i>CAMK2D</i>	BF044772	Hs.111460
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<i>CAP1</i>	AW465076	Hs.104125
<i>CASP8AP2</i>	AW462328	Hs.122843
<i>CBLC</i>	AW463722	Hs.156637
<i>CCBP2</i>	BF045645	Hs.24286
<i>CCDC2</i>	BF040682	Hs.275906
<i>CCL11</i>	AW464252	Hs.54460
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<i>CCL26</i>	BM365027	Hs.131342
<i>CCNI</i>	AW462171	Hs.369110
<i>CD151</i>	AW463121	Hs.512857
<i>CD164</i>	AW462000	Hs.43910
<i>CD2AP</i>	BF041363	Hs.374340
<i>CD47</i>	BF042652	Hs.446414
<i>CD59</i>	BF040446	Hs.278573
<i>CD9</i>	AW461966	Hs.387579
<i>CDC37</i>	AW462059	Hs.160958
<i>CDC42EP3</i>	AW464998	Hs.352554
<i>CDK10</i>	AW463177	Hs.77313
<i>CDK2</i>	AW465591	Hs.19192
<i>CDK2AP1</i>	AW463586	Hs.433201
<i>CDKN1C</i>	AW462929	Hs.106070
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<i>CHS1</i>	AW462482	Hs.130188
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<i>CNOT7</i>	BF042498	Hs.170553
<i>COPI</i>	BF042569	Hs.412957
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<i>COPS5</i>	AW464681	Hs.446492
<i>COPS7A</i>	AW465607	Hs.125309
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<i>CRKL</i>	AW465898	Hs.5613
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<i>CSNK1E</i>	AW465847	Hs.355669
<i>CSNK1G2</i>	AW462693	Hs.181390

<i>CSNK1G3</i>	AW462731	Hs.129206
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<i>CUTL1</i>	BF045936	Hs.438974
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<i>DAPP1</i>	BF043679	Hs.62643
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<i>DDX17</i>	BF040218	Hs.349121
<i>DDX19</i>	AW464225	Hs.289097
<i>DDX24</i>	BF043513	Hs.372267
<i>DDX39</i>	BF043055	Hs.311609
<i>DDX5</i>	AW462568	Hs.279806
<i>DHX36</i>	BF042628	Hs.9414
<i>DIS3</i>	BF046026	Hs.323346
<i>DKK1</i>	BF045944	Hs.40499
<i>DNAJA2</i>	BF044731	Hs.368078
<i>DNCL11</i>	BF045696	Hs.351916
<i>DPYSL2</i>	BM362088	Hs.173381
<i>DSCR1</i>	BF041364	Hs.282326
<i>DTR</i>	BF042729	Hs.799
<i>DVL3</i>	BF039660	Hs.381928
<i>DXS9928E</i>	BF046010	Hs.54277
<i>ELF3</i>	AW463268	Hs.67928
<i>EP300</i>	BF045204	Hs.271730
<i>EPN1</i>	BF044530	Hs.279953
<i>ERCC1</i>	AW463694	Hs.435981
<i>ERG</i>	AW463645	Hs.45514
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<i>EXT1</i>	AW464821	Hs.184161
<i>EXT2</i>	BF044395	Hs.75334
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<i>FBLN2</i>	AW463176	Hs.198862
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<i>FLJ20399</i>	AW462158	Hs.155049
<i>FLNA</i>	BF039876	Hs.195464
<i>FLNB</i>	BM366074	Hs.81008
<i>FN1</i>	AW464973	Hs.418138
<i>FNBP3</i>	BM362048	Hs.298735
<i>GALNT1</i>	BF041790	Hs.277324
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<i>GNAI1</i>	AW464185	Hs.203862
<i>GNAI3</i>	AW462941	Hs.73799
<i>GNAS</i>	AW465936	Hs.157307
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<i>GNG11</i>	BM361956	Hs.83381
<i>GNG12</i>	AW463227	Hs.8107
<i>GNG5</i>	AW465466	Hs.436765

<i>GPR64</i>	AW461648	Hs.421137
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<i>GRP58</i>	AW464154	Hs.308709
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<i>HAND1</i>	AW462826	Hs.152531
<i>HAND2</i>	AW461893	Hs.388245
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<i>HIF1A</i>	BF042862	Hs.412416
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<i>HSHPX5</i>	AW463296	Hs.381329
<i>IDE</i>	BF041141	Hs.290659
<i>IER3</i>	AW465331	Hs.76095
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<i>IFNGR2</i>	BF043722	Hs.409200
<i>IGBP1</i>	BF042875	Hs.3631
<i>IGF2</i>	AW461816	Hs.349109
<i>IGF2R</i>	AW463608	Hs.76473
<i>IGFBP3</i>	AW461982	Hs.450230
<i>IGSF2</i>	AW466097	Hs.74115
<i>IL10RB</i>	AW464606	Hs.418291
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<i>IL15RA</i>	AW462714	Hs.12503
<i>IL1RL1LG</i>	BF042714	Hs.446686
<i>IL6R</i>	BF045216	Hs.193400
<i>ILK</i>	AW464129	Hs.6196
<i>IMPA2</i>	AW461477	Hs.5753
<i>INPP5D</i>	BF044982	Hs.262886
<i>IPO7</i>	BF045355	Hs.434408
<i>IPO8</i>	AW463093	Hs.316977
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<i>ITPKB</i>	BF040180	Hs.78877
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<i>JAK3</i>	BF046565	Hs.210387
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<i>KIFC1</i>	AW462082	Hs.20830
<i>KLF4</i>	BF045633	Hs.376206
<i>KPNA2</i>	BF040179	Hs.252712
<i>KRT18</i>	AW463915	Hs.406013
<i>L3MBTL</i>	BF042810	Hs.300863
<i>LGR8</i>	BF040869	Hs.348481
<i>LILRB3</i>	BF044309	Hs.511766

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<i>LSP1</i>	BF042923	Hs.56729
<i>LU</i>	AW462249	Hs.155048
<i>LY96</i>	BM366661	Hs.69328
<i>LZTR1</i>	AW463380	Hs.78788
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<i>MAFB</i>	AW461546	Hs.169487
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<i>MAP2K3</i>	BF043254	Hs.180533
<i>MAP2K6</i>	BF039637	Hs.256924
<i>MAPK1</i>	BF040969	Hs.324473
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<i>MAPK9</i>	AW462791	Hs.348446
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<i>MCAM</i>	AW463291	Hs.511397
<i>MEA</i>	BF042342	Hs.278362
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<i>MEST</i>	AW464186	Hs.440459
<i>MET</i>	AW464296	Hs.419124
<i>MFHAS1</i>	BF046164	Hs.379414
<i>MGC15482</i>	BF045611	Hs.194498
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<i>MKNK1</i>	BF043214	Hs.79516
<i>MKNK2</i>	BM366588	Hs.512094
<i>MLLT4</i>	BF046631	Hs.100469
<i>MLP</i>	AW464012	Hs.75061
<i>MRAS</i>	AW463748	Hs.349227
<i>MS4A8B</i>	BF042446	Hs.150184
<i>MSX1</i>	AW461452	Hs.424414
<i>MTA1</i>	AW464483	Hs.101448
<i>MTA2</i>	AW464294	Hs.173043
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<i>NCB5OR</i>	BF045217	Hs.5741
<i>NCOA2</i>	AW465013	Hs.446678
<i>NCOA4</i>	AW465054	Hs.422334
<i>NDRG3</i>	AW462037	Hs.437338
<i>NET1</i>	AW461566	Hs.25155
<i>NF1</i>	AW464087	Hs.93207
<i>NFAT5</i>	BF043095	Hs.86998
<i>NFE2L1</i>	BF046241	Hs.83469
<i>NFKB1</i>	AW465881	Hs.160557
<i>NOTCH1</i>	BF045189	Hs.311559
<i>NOTCH3</i>	AW461762	Hs.8546
<i>NR2F2</i>	BF040489	Hs.347991
<i>NR6A1</i>	BF045456	Hs.195161
<i>NRAS</i>	BF043255	Hs.260523

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<i>PAFAH1B1</i>	AW465409	Hs.77318
<i>PARG1</i>	BF043143	Hs.430919
<i>PCTK1</i>	BF046398	Hs.171834
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<i>PDGFRA</i>	BM362352	Hs.74615
<i>PDK3</i>	AW466012	Hs.193124
<i>PDK4</i>	AW462035	Hs.8364
<i>PECAMI</i>	AW462978	Hs.78146
<i>PER2</i>	AW464080	Hs.410692
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<i>PIAS1</i>	AW464941	Hs.75251
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<i>PITPNM1</i>	BM365100	Hs.93837
<i>PLAA</i>	BF040868	Hs.27182
<i>PLAU</i>	AW462038	Hs.77274
<i>PLAUR</i>	AW463210	Hs.179657
<i>POMC</i>	AW461746	Hs.1897
<i>PPAP2A</i>	BF041418	Hs.482121
<i>PPARG</i>	BF044506	Hs.387667
<i>PPIC</i>	AW464749	Hs.110364
<i>PPP2R5A</i>	BF042129	Hs.155079
<i>PPP2R5C</i>	AW464337	Hs.249955
<i>PPP3CB</i>	BF046424	Hs.187543
<i>PRDM4</i>	BF046524	Hs.21807
<i>PRKCL1</i>	AW465745	Hs.2499
<i>PRKRIR</i>	BF039185	Hs.177574
<i>PRL</i>	AW461987	Hs.1905
<i>PTK2B</i>	BF040914	Hs.405474
<i>PTPLA</i>	BF046141	Hs.114062
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<i>PTPN11</i>	AW463332	Hs.83572
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<i>PTPRF</i>	AW465468	Hs.75216
<i>PTPRG</i>	BF044748	Hs.89627
<i>PTPRH</i>	AW463019	Hs.179770
<i>QKI</i>	AW461364	Hs.153355
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<i>RAB11B</i>	BF042141	Hs.433888
<i>RAB13</i>	AW465441	Hs.525461
<i>RAB14</i>	BF046570	Hs.5807
<i>RAB18</i>	BF040014	Hs.414357
<i>RAB1A</i>	AW462924	Hs.227327
<i>RAB20</i>	BF042479	Hs.179791
<i>RAB22A</i>	AW465612	Hs.281117
<i>RAB25</i>	BF044476	Hs.150826
<i>RAB2L</i>	BM363900	Hs.170160
<i>RAB31</i>	AW464597	Hs.223025

<i>RAB32</i>	AW463501	Hs.32217
<i>RAB33A</i>	AW464044	Hs.56294
<i>RAB4B</i>	AW464303	Hs.25367
<i>RAB8A</i>	BF045070	Hs.5947
<i>RAB9A</i>	AW465952	Hs.444327
<i>RABL2A</i>	BM364540	Hs.446425
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<i>RAC3</i>	AW466155	Hs.45002
<i>RALA</i>	BF041191	Hs.6906
<i>RALB</i>	BF043508	Hs.348024
<i>RALBP1</i>	BF040645	Hs.75447
<i>RALGDS</i>	BF046679	Hs.106185
<i>RAN</i>	BF043183	Hs.10842
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<i>RASD1</i>	AW463433	Hs.25829
<i>RASGEF1A</i>	AW463265	Hs.125293
<i>RFP</i>	AW464880	Hs.440382
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<i>RHEB</i>	AW462170	Hs.279903
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<i>RIPK2</i>	AW465726	Hs.103755
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<i>ROD1</i>	AW461418	Hs.374634
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<i>RPS27</i>	BM365835	Hs.337307
<i>RPS6KA1</i>	BM365203	Hs.149957
<i>RPS6KA3</i>	AW465031	Hs.188361
<i>RPS6KA5</i>	BF045195	Hs.109058
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<i>RRBP1</i>	BF045657	Hs.98614
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<i>RYK</i>	AW464021	Hs.285346
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<i>SAS</i>	AW466213	Hs.50984
<i>SC65</i>	AW463323	Hs.511753
<i>SCYE1</i>	BF044135	Hs.105656
<i>SDF2</i>	BF042332	Hs.118684
<i>SFN</i>	AW465454	Hs.184510
<i>SFRS11</i>	BF044406	Hs.443458
<i>SH3BP5</i>	AW461956	Hs.109150
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<i>SIAH2</i>	AW462510	Hs.20191
<i>SIRT5</i>	BF044489	Hs.282331
<i>SIRT7</i>	AW463779	Hs.184447
<i>SKB1</i>	AW465024	Hs.367854
<i>SKIV2L</i>	BF046548	Hs.89864

<i>SLC25A3</i>	AW464441	Hs.290404
<i>SOS1</i>	BF044102	Hs.326392
<i>SPA17</i>	AW463988	Hs.286233
<i>SPATA7</i>	BF040172	Hs.414464
<i>SPEC2</i>	AW462199	Hs.5985
<i>SRF</i>	BF039881	Hs.444086
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<i>STAMBP</i>	AW463948	Hs.12479
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<i>STC1</i>	BF043835	Hs.25590
<i>STMN1</i>	BF042135	Hs.209983
<i>SYNCRIP</i>	BF043017	Hs.436376
<i>TACSTD1</i>	AW461992	Hs.692
<i>TACSTD2</i>	AW464668	Hs.23582
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<i>TBX3</i>	BF040696	Hs.368748
<i>TEK</i>	BF040603	Hs.89640
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<i>TGFBR3</i>	BF042623	Hs.342874
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<i>TLE3</i>	BF045501	Hs.287362
<i>TLE4</i>	AW462813	Hs.494269
<i>TLN2</i>	BF041839	Hs.137129
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<i>TM4SF13</i>	AW461553	Hs.364544
<i>TM4SF2</i>	BF040688	Hs.439586
<i>TM4SF8</i>	AW465786	Hs.259212
<i>TNS</i>	AW465869	Bt.5309
<i>TNS</i>	AW466065	Hs.512710
<i>TOB1</i>	BF039513	Hs.178137
<i>TP53BP2</i>	AW466006	Hs.44585
<i>TPD52</i>	BF044016	Hs.162089
<i>TPX2</i>	BM364843	Hs.9329
<i>TRAF3</i>	BF039592	Hs.297660
<i>TRAF4</i>	AW465678	Hs.8375
<i>TRAF6</i>	BF045658	Hs.444172
<i>TRIM37</i>	AW464825	Hs.8164
<i>TRIP10</i>	BF043967	Hs.445226
<i>TRIP15</i>	AW466124	Hs.30212
<i>TRRAP</i>	AW462891	Hs.203952
<i>TSPAN-1</i>	AW461395	Hs.38972
<i>TTRAP</i>	BF045278	Hs.210628
<i>TXN</i>	BF040860	Hs.395309
<i>TXNIP</i>	AW463867	Hs.179526
<i>TXNL</i>	AW463695	Hs.114412
<i>TXNRD1</i>	BM362012	Hs.434367
<i>TYRO3</i>	AW462223	Hs.381282
<i>UNC119</i>	BF044751	Hs.410455

<i>USP11</i>	AW463740	Hs.171501
<i>WASL</i>	BF046692	Hs.182469
<i>WBP2</i>	AW463224	Hs.231840
<i>WBSCR14</i>	BF042632	Hs.285681
<i>WDR13</i>	AW464387	Hs.12142
<i>WDR5</i>	AW464559	Hs.397638
<i>WDR7</i>	BF044912	Hs.428344
<i>WDR8</i>	AW463239	Hs.31714
<i>Whsc1</i>	BF046444	Mm.19892
<i>WHSC1</i>	AW463891	Hs.110457
<i>WNT4</i>	AW462911	Hs.302428
<i>WNT6</i>	AW461778	Hs.29764
<i>XAB1</i>	AW465700	Hs.18259
<i>XLKD1</i>	BF041814	Hs.17917
<i>XRCC1</i>	AW462822	Hs.98493
<i>YWHAB</i>	AW462500	Hs.279920
<i>YWHAQ</i>	AW464408	Hs.74405
<i>ZFP95</i>	BF043911	Hs.110839
<i>ZNF12</i>	BM364858	Hs.102397
<i>ZNF259</i>	BF044791	Hs.7165

*Some sequences do not have human UniGene IDs and are annotated with the Cattle UniGene names or are previously unannotated bovine sequences.