

**Table S5.** The top 10 most significant enriched pathways regulated by mRNAs in the *bovine* testes development

Terms	Source genes	Total genes	P-value	Corrected P-value
<b>Adherens junction</b>	59	68	1.31296794924e-10	3.59753218092e-08
<b>Cell adhesion molecules (CAMs)</b>	94	154	7.94775346314e-10	1.08884222445e-07
<b>Ribosome</b>	67	136	4.56937630365e-05	0.00417336369066
<b>ECM-receptor interaction</b>	47	85	7.76067129299e-05	0.0053160598357
<b>Amoebiasis</b>	58	117	0.000125213236461	0.00686168535808
<b>Lysine degradation</b>	31	54	0.000756358938021	0.034540391503
<b>Morphine addiction</b>	45	93	0.0009887455281	0.038702324957
<b>Protein digestion and absorption</b>	41	83	0.00119694229053	0.0409952734505
<b>Calcium signaling pathway</b>	76	188	0.00166638615186	0.0507322006233
<b>Gap junction</b>	42	89	0.00205415390132	0.0562838168962