

### Supplemental Information 1: CORT

CORT specific, differentially expressed genes by tissue and sex. Each table contains differentially expressed genes that were unique to CORT treatment, which are either sex-specific or overlapping across sex. We report log fold change (logFC) and false discovery rate (FDR<0.01). Upregulated genes are highlighted in red and downregulated genes are blue.

**Table 1:** Sex-specific, CORT responsive genes that were differentially expressed in the female hypothalamus

Entrez ID	Gene Name	logFC	FDR
395384	<i>C4BPA</i>	7.62191024	0.00081864
107053650	<i>DDIT4</i>	-1.3641926	0.00000722
100858474	<i>LOC100858474</i>	6.98742125	0.00846125

**Table 2:** Sex-specific, CORT responsive genes that were differentially expressed in the male hypothalamus.

Entrez ID	Gene Name	logFC	FDR
420592	<i>LRRC72</i>	-6.3325476	0.00273415

**Table 3:** Sex-specific, CORT responsive genes that were differentially expressed in the female pituitary.

Entrez ID	Gene Name	logFC	FDR
424490	<i>ABCA4</i>	3.42839287	0.00087459
769237	<i>ABI3BP</i>	-1.8203605	0.00700656
431627	<i>ACOT12</i>	-2.5289569	0.00792938
418479	<i>ADAMTS1</i>	-1.350909	0.00024624
421297	<i>ALK</i>	3.65729005	0.00000214
420738	<i>ANLN</i>	-4.8887466	0.00000171
396536	<i>APOA1</i>	-2.287156	0.00628945
424893	<i>APOD</i>	-3.5765603	0.00122136
769889	<i>APOLD1</i>	-1.9641033	0.0000477
421088	<i>AQP4</i>	-2.8884783	0.00023196
421369	<i>ATF3</i>	-1.8172924	0.00025
107052744	<i>C2H8orf34</i>	-2.9389569	0.00889358
422966	<i>C5H11ORF9</i>	-4.2336243	0.0000629
770209	<i>C5H11ORF96</i>	-1.1061049	0.00774226
423959	<i>C6H10ORF90</i>	-2.1371616	0.00803811
421029	<i>CDH19</i>	-3.9098923	0.0000448
395921	<i>CNP</i>	-3.1456022	0.0000169
427597	<i>CNTN6</i>	-3.7792797	0.00046519
428435	<i>CREB5</i>	-1.9740611	0.00707024
421422	<i>DAAM2</i>	-1.4990997	0.00768802
776499	<i>DCLK3</i>	-1.1192708	0.00022132
107053650	<i>DDIT4</i>	-1.4852373	1.21E-08
395939	<i>DIO3</i>	4.16775226	0.00000557
425241	<i>DIRAS2</i>	-1.5768922	0.00017086
421884	<i>DST</i>	-4.3504175	0.00023196
422551	<i>ENPP6</i>	-2.3741719	0.00202937
771826	<i>ERMN</i>	-5.2206005	0.0000169
426690	<i>ETNK2</i>	-2.6377886	0.00078273
415687	<i>FA2H</i>	-4.6788107	0.0000133
422413	<i>FAM198B</i>	-3.1443697	0.00300551
419084	<i>GDPD4</i>	-2.2916137	0.00042517
419969	<i>GFAP</i>	-5.9757928	0.0000837
420397	<i>GJC2</i>	-1.6502815	0.00442165
396489	<i>GLUL</i>	-1.869448	0.00110485
431418	<i>GPRI39</i>	0.97276845	0.00136411
417748	<i>GPR37</i>	-3.3203086	0.00227741
421176	<i>GPR37L1</i>	-3.9247638	0.00129104
427575	<i>GRM2</i>	-2.3590185	0.00030702
416728	<i>HAO1</i>	-1.2621179	0.00867023
425975	<i>HAPLN2</i>	-5.4044026	0.00301302
424441	<i>HEBP2</i>	-2.5446672	0.00195309
428234	<i>HEPACAM</i>	-3.8809357	0.0000693
395128	<i>HES4</i>	1.43850911	0.00000368

426516	<i>HNRPK</i>	3.26377291	0.0042366
419771	<i>IL10RA</i>	1.63727996	0.0000163
427662	<i>KCNJ12</i>	-3.0905596	0.00525551
422374	<i>KIAA1210</i>	-1.2923415	0.00233732
420476	<i>KIAA1462</i>	-1.0813841	0.0082338
421934	<i>KLF11</i>	1.05197595	0.00745418
416732	<i>LAMP5</i>	-1.3715911	0.00026828
107049625	<i>LGI3</i>	-4.348784	0.0000167
418889	<i>LHFP</i>	-1.3575629	0.00026828
395705	<i>LHX2</i>	-2.9103875	0.00129104
100859224	<i>LOC100859224</i>	-5.8575025	0.0000693
100859848	<i>LOC100859848</i>	-2.1970407	0.00032798
107050516	<i>LOC107050516</i>	-3.6208916	0.00000788
107055436	<i>LOC107055436</i>	2.18207245	0.00834063
416927	<i>LOC416927</i>	-5.5556961	0.0000943
769039	<i>LOC769039</i>	1.01210942	0.00141439
374011	<i>MAB21L2</i>	1.82144289	0.0088409
396217	<i>MBP</i>	-1.8132315	0.00176756
107055352	<i>MIDN</i>	0.94959316	0.00015121
417737	<i>MLC1</i>	-2.1486007	0.00091839
419010	<i>NAALAD2</i>	-2.0113394	0.00424508
418151	<i>NINJ2</i>	-5.1322959	0.00000115
421833	<i>NT5E</i>	-4.373281	0.00019306
395334	<i>OPN4-1</i>	-4.4283406	0.00296667
422007	<i>OTOF</i>	-3.8480519	0.0000429
422030	<i>OvoDA1</i>	5.0744276	0.00700656
100858468	<i>PDYN</i>	2.40007783	0.0000954
771808	<i>PIPOX</i>	-3.5980662	0.0018916
415650	<i>PLLP</i>	-4.5541969	0.00000536
396214	<i>PLP1</i>	-8.9306286	3.52E-07
425328	<i>PPP1R3C</i>	-1.5194554	0.0000429
374187	<i>PTCH2</i>	1.0457712	0.00792938
416507	<i>RASD1</i>	-1.4417544	0.00023196
422756	<i>RASL11B</i>	-1.0400228	0.00708453
419521	<i>RASSF2</i>	-3.0547377	0.0001018
424409	<i>RGS16</i>	2.27790308	0.00792938
424409	<i>RGS16</i>	2.27790308	0.00792938
395359	<i>SALL3</i>	0.78394827	0.00155515
374006	<i>SATI</i>	-1.4298953	0.00000125
418228	<i>SCUBE1</i>	-1.0781472	0.00700656
424593	<i>SEPP1L</i>	-4.1167333	0.0000586
416778	<i>SEPT5</i>	-1.8086218	0.00104754
107049626	<i>SFTPC</i>	-4.1712098	0.00792938
418731	<i>SH3RF3</i>	-2.1217571	0.0018969
396089	<i>SHANK3</i>	-5.6229119	0.00022132
395615	<i>SHH</i>	1.95114021	0.00950115
427459	<i>SLC28A3</i>	1.87914802	0.00296098
424576	<i>SLC6A9</i>	-2.9307868	0.0000629

432368	<i>SNAI2</i>	1.47526135	0.00227741
395573	<i>SOX10</i>	-4.4550521	0.00059949
395483	<i>SOX8</i>	-2.3092929	0.0000501
416208	<i>STC2</i>	-2.2605966	0.00576626
395592	<i>TH</i>	6.15460068	0.00000115
419401	<i>TMEM52</i>	-3.2746687	0.000018
419414	<i>TMEM88B</i>	-5.0726254	0.00016927
396032	<i>TNNC1</i>	-4.7851431	0.0000288
768091	<i>TSC22D3</i>	-1.0163052	0.00122136
428900	<i>TSHR</i>	-3.1297683	0.00828514
419889	<i>TSPAN2</i>	-1.4330295	0.00016927
100858879	<i>TTYH2</i>	-1.7900637	0.004794
107051021	<i>TXNIP</i>	-1.0489175	0.00304851
374033	<i>UGT8</i>	-2.672702	0.00035335
428995	<i>VWC2L</i>	-0.8910228	0.00792938
416887	<i>WSCD2</i>	1.08909738	0.00202714
419618	<i>ZC3H12A</i>	-0.7386901	0.00587455

**Table 4:** Sex-specific, CORT responsive genes that were differentially expressed in the male pituitary.

Entrez ID	Gene Name	logFC	FDR
423846	<i>ARHGAP19</i>	1.78534547	0.00987046
101750689	<i>BHLHE41</i>	0.98090895	0.00439612
771055	<i>C1H2ORF40</i>	2.24634841	0.0004201
770534	<i>C5H15ORF62</i>	-1.8005857	0.00022038
396256	<i>CALCA</i>	4.21679034	0.00413295
416155	<i>CCNJL</i>	-2.0430218	0.00509869
395527	<i>CD9</i>	2.66785803	0.0004201
395386	<i>CLEC3B</i>	1.33483153	0.00509869
428448	<i>COL6A6</i>	2.16089158	0.000035
771797	<i>FAM101A</i>	1.59623628	0.00060137
396119	<i>FST</i>	3.90119714	0.0000487
428628	<i>GRIK2</i>	-2.1045585	0.00032328
419110	<i>ITIH2</i>	2.72026805	0.00048391
428101	<i>KCNA1</i>	2.27275094	0.00413295
425504	<i>KCTD12</i>	1.07818415	0.00054115
770238	<i>KLF9</i>	-1.1719745	0.00413295
100858447	<i>LOC100858447</i>	5.72337106	0.00251315
427408	<i>LOC101747901</i>	2.71309605	0.0004201
395944	<i>LOC395944</i>	7.99361432	0.00066177
404752	<i>MID1IP1</i>	0.83233673	0.00255214
421889	<i>MLIP</i>	6.35614627	0.0000263
769245	<i>MZT2B</i>	5.3058003	0.00240232
422078	<i>NPTX1</i>	2.1128186	0.00509869
693264	<i>NPY6R</i>	-7.0988646	0.0000263
424117	<i>PPP1R1C</i>	2.00472083	0.00550383
417183	<i>PRDM12</i>	3.76858544	0.00107929
424548	<i>PTGFR</i>	-1.814985	0.00753864
396459	<i>PVALB</i>	2.9174758	0.00026039
424312	<i>RND3</i>	1.72048443	0.0000263
420251	<i>RNF19A</i>	-0.9587109	0.00930352
107053895	<i>RPRM</i>	3.06692678	0.00049207
421715	<i>RSPO3</i>	2.70938016	0.0000867
395715	<i>SERPINB10</i>	2.74747729	0.00550383
417616	<i>SLC47A2</i>	5.32725411	0.00119519
395393	<i>SNCA</i>	2.53594265	0.00413295
107051027	<i>SOX21</i>	-4.0598474	0.00240232
420073	<i>SSPO</i>	-0.8494481	0.00409517
420573	<i>TAC1</i>	3.19991435	0.00011946
395810	<i>TEAD3</i>	-4.3106756	0.00944429
427825	<i>TLCD2</i>	2.39842736	0.0046092
417905	<i>TMCC3</i>	-1.3145099	0.00155544
423491	<i>TMEM179</i>	1.42215295	0.00087152
423477	<i>TNFAIP2</i>	1.55703179	0.00823426

**Table 5:** Sex-specific, CORT responsive genes that were differentially expressed in the female gonads

Entrez ID	Gene Name	logFC	FDR
418254	<i>A2ML1</i>	3.89950284	0.0000171
373945	<i>ABCA1</i>	-0.8640436	0.00774306
776390	<i>ACPP</i>	1.82354474	0.00339185
100858277	<i>ADAMTS18</i>	1.37171569	0.00291717
426545	<i>ADPRHL</i>	1.9432785	0.00888002
771077	<i>AKD1</i>	-2.3964956	0.0000966
415402	<i>AQP9</i>	-1.2561301	0.00011139
769191	<i>ASIC4</i>	2.1852466	0.00124521
424349	<i>ATP6V1G3</i>	1.56758017	0.00396435
421809	<i>BACH2</i>	-1.0371513	0.00393492
420744	<i>BMPER</i>	-1.5135845	0.00593651
770363	<i>BSG</i>	0.95723565	0.0000966
417179	<i>C9ORF58</i>	1.37426866	0.00139229
417647	<i>CA4</i>	-3.0968458	3.61E-07
421139	<i>CA8</i>	3.27931835	5.16E-07
417151	<i>CACFD1</i>	0.90162358	0.00367487
415996	<i>CACNA2D3</i>	-1.7080744	0.00174309
396519	<i>CALB1</i>	2.43168658	0.0000216
423990	<i>CALCRL</i>	-0.6870457	0.00396435
427515	<i>CALML4</i>	-1.8826522	0.00906168
424601	<i>CCDC17</i>	-3.0541205	0.00462991
415315	<i>CD276</i>	1.71955626	1.57E-07
107052707	<i>CEBPD</i>	-1.4845859	0.0000216
415476	<i>CEMIP</i>	-2.1134273	0.00042534
415507	<i>CHD2</i>	-2.7333219	0.00210892
396120	<i>CHRNA8</i>	-3.053195	0.00744057
428866	<i>CHST1</i>	1.63775732	0.00065183
395399	<i>CITED2</i>	-1.1996508	0.0000211
374002	<i>CKMT1A</i>	2.61658061	4.88E-08
424768	<i>CLDN15</i>	-1.7043716	0.00356272
100858979	<i>COL10A1</i>	6.78061851	2.49E-07
396503	<i>COL17A1</i>	1.74199079	0.0000404
807639	<i>COX1</i>	-1.4285244	0.00396435
807635	<i>COX2</i>	-1.6448941	0.0016697
807637	<i>COX3</i>	-1.3992481	0.00480154
101747832	<i>CPNE9</i>	3.47709786	0.00063875
768680	<i>CREG1</i>	-0.9083675	0.00829127
417735	<i>CRELD2</i>	0.90843884	0.00774306
396499	<i>CRYBA1</i>	2.91055692	0.0054706
408252	<i>CTDSPL</i>	-0.6689948	0.00727034
424152	<i>CYBRD1</i>	-1.1392711	0.00210892
427802	<i>CYGB</i>	-1.5605939	0.00210892

807641	<i>CYTB</i>	-1.3743486	0.00396435
107053650	<i>DDIT4</i>	-0.830587	0.00953958
425542	<i>DDOST</i>	0.71084418	0.00888002
770448	<i>DESII</i>	0.65934636	0.0003117
395271	<i>DMBX1</i>	-2.7365372	0.00017366
427004	<i>DNAH3</i>	-2.3586282	0.0011016
420571	<i>DYNC1II</i>	1.49516771	0.00367487
395689	<i>ENO2</i>	-1.8681352	0.00049186
421703	<i>EPB41L2</i>	-1.8790429	0.00424831
421703	<i>EPB41L2</i>	-0.8653211	0.00926777
421509	<i>EROILB</i>	0.79927548	0.0002771
769188	<i>FAM161A</i>	-1.5780313	0.00090247
415505	<i>FAM174B</i>	0.81170839	0.0002771
771833	<i>FAM194A</i>	-2.432687	0.00657155
424427	<i>FAM20B</i>	0.69560334	0.00396435
416889	<i>FICD</i>	1.00312345	0.00093458
428618	<i>FLRT1</i>	3.93716024	0.00893298
421365	<i>FLVCR1</i>	1.08548101	0.00013067
386747	<i>FMN1</i>	-1.2951485	0.00367487
771133	<i>FUT9</i>	-3.6679303	0.00020872
419770	<i>FXD2</i>	3.18708386	0.00016312
424171	<i>G6PC2</i>	-1.7674145	0.00037283
417006	<i>GAL3ST1</i>	1.70145792	0.00953958
429501	<i>GALNT6</i>	0.8560541	0.00280289
378781	<i>GH</i>	-2.84771	0.0000139
428397	<i>GHRH-LR</i>	3.97213572	8.06E-07
396533	<i>GOT2</i>	0.6756896	0.0016697
431418	<i>GPR139</i>	-1.484179	0.00103737
100857454	<i>GPX2</i>	2.80083524	0.00037283
422407	<i>GUCY1A3</i>	1.3132422	0.0000634
107055138	<i>HAX1</i>	-1.8224772	0.0000715
395145	<i>HMGCR</i>	0.73169209	0.00154313
423079	<i>HPS5</i>	-2.7970592	0.00010663
100858361	<i>HSD11B2L</i>	1.85096469	0.00010447
395785	<i>HSD17B4</i>	0.68506514	0.00461263
428251	<i>HYOU1</i>	0.82269448	0.00454652
396362	<i>IAPP</i>	-3.7874244	0.00367487
422219	<i>IL13RA2</i>	2.08037281	0.00033948
107053356	<i>INAFM2</i>	1.15517408	0.00505892
419347	<i>KCNG1</i>	1.30521608	0.00027795
427917	<i>KIAA1147</i>	0.64824719	0.00893298
418645	<i>KIAA1324L</i>	1.83865557	7.64E-08
427588	<i>KLF15</i>	-0.9539071	0.00396435
419829	<i>KLHDC8A</i>	1.18600396	0.00057293
424851	<i>KLHL30</i>	0.90227776	0.00676046
395772	<i>KRT7</i>	1.04916276	0.00437386
418840	<i>LACC1</i>	-1.5526333	0.00462991
426779	<i>LETM2</i>	0.78147233	0.00896754



425107	<i>LGALS2</i>	2.37391673	0.00296288
423789	<i>LIPA</i>	-0.977248	0.00296288
426849	<i>LMAN1</i>	0.74421571	0.00918287
100857341	<i>LOC100857341</i>	-2.5874059	0.00359958
100859804	<i>LOC100859804</i>	-2.5562857	0.00063875
101749151	<i>LOC101749151</i>	2.93828317	0.00016312
101750367	<i>LOC101750367</i>	2.32214996	0.00220046
107049904	<i>LOC107049904</i>	7.36511003	0.000045
107050309	<i>LOC107050309</i>	-3.9016967	0.00628612
107050569	<i>LOC107050569</i>	2.15686607	0.00420313
107050717	<i>LOC107050717</i>	1.05400409	0.0000216
107050736	<i>LOC107050736</i>	1.25268381	0.0003117
107053409	<i>LOC107053409</i>	-7.0048116	0.00000801
107056154	<i>LOC107056154</i>	-1.2099324	0.00351022
417800	<i>LOC417800</i>	2.46484862	0.00462991
418356	<i>LOC418356</i>	3.76747091	0.00628612
422179	<i>LOC422179</i>	-1.5387874	0.0019543
422895	<i>LOC422895</i>	1.98337799	1.38E-15
428451	<i>LOC428451</i>	2.71377612	0.00424831
428971	<i>LOC428971</i>	2.10673556	0.00011139
429955	<i>LOC429955</i>	1.44884673	0.00063875
419533	<i>LOXL2</i>	3.66285514	7.7E-12
424469	<i>LRRC39</i>	-2.333139	0.00381132
101749866	<i>LRTM2</i>	2.50705725	0.0000715
693248	<i>MAF</i>	-1.0821154	0.00687367
419173	<i>MAFB</i>	-1.2095523	0.00291717
421047	<i>MC5R</i>	-1.1187812	0.0016697
420437	<i>MLL3</i>	-0.6682672	0.00436886
420437	<i>MLL3</i>	-0.6682672	0.00436886
395683	<i>MMP13</i>	-3.7433912	0.0031882
395387	<i>MMP9</i>	-2.5485055	5.23E-08
423101	<i>MUC2</i>	-1.7108933	0.00746836
414878	<i>MUC6</i>	-5.8831043	0.00124294
421948	<i>MYCN</i>	1.29181577	0.00094369
417598	<i>NCOR1</i>	-3.6541352	0.00888002
807636	<i>NDI</i>	-1.6545808	0.0006331
430210	<i>NDUFV1</i>	0.83758957	0.00424831
395736	<i>NEDD9</i>	-1.2588805	3.61E-07
396093	<i>NFKBIA</i>	-0.7241225	0.00953958
419697	<i>NIPAL3</i>	0.63982001	0.00557854
422748	<i>NMU</i>	3.59947575	0.00468661
422535	<i>NPNT</i>	-1.0780087	0.0002771
396464	<i>NPY</i>	2.38207228	0.00528824
421746	<i>NT5DC1</i>	1.24861588	0.00005
427914	<i>NT5DC3</i>	-1.3970822	0.00763554
428789	<i>NWD2</i>	2.33924957	0.00070335
422525	<i>OSTC</i>	0.78243341	0.00213222
374091	<i>P4HB</i>	0.95277875	0.0000216

428065	<i>PCDH8</i>	1.72058962	0.00154313
107050625	<i>PCOLCE</i>	0.98943619	0.00291717
429078	<i>PDC</i>	3.17098684	0.00789292
421940	<i>PDIA6</i>	0.76593851	0.00469647
374241	<i>PII5</i>	3.22012014	0.00000311
423705	<i>PLA2G12B</i>	1.90953988	2.65E-07
418183	<i>PLEKHA5</i>	-1.5609971	0.0000095
428164	<i>PLTP</i>	-1.3820884	0.00057293
417989	<i>PMM1</i>	0.6991518	0.00896754
422019	<i>PNOC</i>	3.87524835	0.00000407
427605	<i>PSD2</i>	1.12349848	0.00172704
429116	<i>PTGER3</i>	1.26713061	0.00415405
771985	<i>PTPRR</i>	1.82197161	0.0000238
373914	<i>QSOX1</i>	1.21146443	0.00608505
430750	<i>RAB31</i>	-1.0216729	0.00589831
420203	<i>RALYL</i>	-2.3610435	0.00169396
395209	<i>RARRES1</i>	-1.0426794	0.00426344
416507	<i>RASD1</i>	1.92966589	2.29E-07
396107	<i>RET</i>	1.27881441	0.00229095
374105	<i>RIMBP2</i>	2.02082994	0.00005
770339	<i>RP11-26J3.4</i>	5.52485415	0.00000033
396090	<i>RP11-295K3.1</i>	-1.2580618	0.00022682
373919	<i>RUNX2</i>	-2.1708331	0.00628612
419434	<i>SAMD11</i>	1.04337564	0.00033948
426369	<i>SEC61A2</i>	0.68376549	0.00571702
420895	<i>SERPINB6</i>	1.23660884	0.0080927
418651	<i>SHROOM2</i>	-0.9145476	0.00896754
769612	<i>SLC1A4</i>	-1.3967103	0.00016466
427845	<i>SLC26A4</i>	2.10730019	0.0000966
425029	<i>SLC33A1</i>	1.15865888	0.0003178
395185	<i>SLC35B1</i>	1.1279135	0.0000142
107052162	<i>SLC38A7</i>	-1.3452675	0.00063875
107052162	<i>SLC38A7</i>	-0.8653211	0.00926777
430411	<i>SLC39A8</i>	2.15744714	0.00665573
100861584	<i>SLC6A8</i>	1.2343538	3.61E-07
418719	<i>SLC9A2</i>	2.75708953	0.00013067
416550	<i>SLC9A3R2</i>	0.86671721	0.00356272
424862	<i>SLCO2A1</i>	-1.6100793	0.0016697
419051	<i>SLCO2B1</i>	1.54035864	0.00763554
396105	<i>SOX2</i>	-1.5319176	0.0004654
429033	<i>SPEG</i>	0.96717445	0.00367487
423206	<i>SPINT1</i>	1.48255557	3.61E-07
423225	<i>SPTBN5</i>	-2.3843542	0.00063875
420871	<i>SSR1</i>	0.92584722	0.00030165
425656	<i>SSR2</i>	0.80422596	0.00293201
425027	<i>SSR3</i>	0.72481355	0.00405625
107049822	<i>SSR4</i>	0.91298825	0.0013767
771648	<i>SSTR1</i>	1.81140495	0.00576975

396241	<i>TF</i>	3.19249305	0.00174309
417575	<i>TLCD1</i>	1.08308207	0.0013767
416821	<i>TMED2</i>	0.70931446	0.00292529
424483	<i>TMEM56</i>	1.08237378	0.00313371
395883	<i>TMOD1</i>	-1.9474436	0.00066919
415724	<i>TOX3</i>	-1.0783869	0.00426344
424835	<i>TRPM2</i>	2.51575982	0.0000216
768091	<i>TSC22D3</i>	-1.043332	0.00064229
426419	<i>UNC5A</i>	1.64916428	0.0000216
395582	<i>VAX1</i>	-3.6431957	0.00699024
421702	<i>VNN1</i>	-2.423167	0.00020872
421702	<i>VNN1</i>	-1.5921092	0.0003178
414795	<i>VSIG1</i>	3.06906773	0.00396435
431270	<i>VWA5A</i>	1.97692897	0.00687367
416918	<i>XBP1</i>	1.01818103	0.00057071
771005	<i>XKRX</i>	1.11122284	0.0013767
419759	<i>ZBTB16</i>	-1.1932609	0.00336961
421763	<i>ZBTB24</i>	-1.1212923	0.00547041
107052930	<i>ZFP36L2</i>	-0.9092372	0.0000139
419152	<i>ZNF341</i>	-1.2979584	0.00321418
422017	<i>ZNF395</i>	-1.0349004	0.00279947

**Table 6:** Sex-specific, CORT responsive genes that were differentially expressed in the male gonads

Entrez ID	Gene Name	logFC	FDR
419751	GRIK4	1.12000808	0.00145882

**Table 7:** Differentially expressed genes found in the hypothalamus of both sexes for CORT.

Entrez ID	Gene Name	Female logFC	Female FDR	Male logFC	Male FDR
420570	<i>PDK4</i>	-1.762850788	0.0023829	-2.688725	0.00000577
378912	<i>RGS2</i>	-1.584808442	0.0000891	-1.9444537	0.0000232

**Table 8:** Differentially expressed genes found in the pituitary of both sexes for CORT.

Entrez ID	Gene Name	Female logFC	Female FDR	Male logFC	Male FDR
419316	<i>APCDD1L</i>	-2.786556117	0.000000219	1.758956886	0.009303519
417431	<i>APOH</i>	-5.673546962	0.000000372	-4.433937462	0.005486274
107052707	<i>CEBPD</i>	-1.631670454	0.00000125	-1.727844466	0.000035
395335	<i>CISH</i>	-1.639177862	0.000000372	-1.696539484	0.0000263
395399	<i>CITED2</i>	-1.381745829	0.000000743	-1.103405016	0.004004957
429929	<i>GADD45B</i>	-1.634815968	0.000000219	-2.1563618	2.67E-09
417931	<i>GAS2L3</i>	-3.701004482	0.006813782	4.700929248	0.000228888
427523	<i>GLDN</i>	-3.097751226	0.0000943	3.293259117	0.000110543
395925	<i>KCNJ5</i>	-1.737522346	0.00000409	-1.921886101	0.000027
100859468	<i>LOC100859468</i>	-0.800572283	0.008487232	-1.146377438	0.000111517
100859605	<i>LOC100859605</i>	-5.750417794	0.0000429	7.526791921	0.00000089
769726	<i>LOC769726</i>	-5.639373015	0.00000115	-5.558226781	0.000420103
770169	<i>LRRN3</i>	0.971597164	0.005818832	1.338240942	0.0000949
428612	<i>OLIG2</i>	-5.520505816	0.0000328	-5.474443141	0.004132952
420570	<i>PDK4</i>	-1.577439264	0.001286217	-2.227524929	0.0000949
420198	<i>PMP2</i>	-7.358868517	0.000231962	7.255651243	0.000528957
417327	<i>PMP22</i>	-2.65744883	0.000628851	4.062040853	0.000000485
429116	<i>PTGER3</i>	-1.988902181	0.000000219	-2.016560884	0.000027
378912	<i>RGS2</i>	-1.809462366	6.74E-09	-1.617696468	0.000027
424038	<i>SI00B</i>	-4.309449522	0.000049	3.578834533	0.004132952
421766	<i>SESNI</i>	-0.746193676	0.000918391	-0.743982949	0.009499457
420514	<i>SLC39A12</i>	-4.518647242	0.000620787	-4.682943196	0.005715574
420514	<i>SLC39A12</i>	-2.662794323	0.026980015	-3.222835361	0.036829277
422998	<i>SYT12</i>	-1.296634838	0.000231962	-1.708983675	0.000027
428270	<i>SYT6</i>	-1.198674464	0.000781579	-1.582449835	0.0000689
771074	<i>TTPA</i>	-1.636283666	0.000000538	-1.779655548	0.0000124
420951	<i>VSTM2A</i>	1.155412738	0.0000541	1.346062256	0.0000263
419759	<i>ZBTB16</i>	-1.659919857	0.00000125	-2.30520479	9.47E-09

**Table 9:** Differentially expressed genes found in the gonads of both sexes for CORT.

Entrez ID	GeneName	Female logFC	Female FDR	Male logFC	Male FDR
427387	SEMA6A	-1.686828569	0.00005	1.74357079	0.00810488