

## UPreg\_DRAS

GENE	EVENT	First Cond. Vs Second C	mean_PSI/F	mean_PSI/PIR/PSU	secr dPSI/PIR/PSU	Status
ACLY	HsaEX0001940	SIGMA vs TILE	77.571071	60.40103448	17.1700369	Up-regulated
APLP2	HsaEX0005149	SIGMA vs TILE	48.234839	34.49375	13.7410887	Up-regulated
APRT	HsaALTA0000575-1/2	SIGMA vs TILE	42.523548	31.0453125	11.4782359	Up-regulated
CIDEB	HsaINT0035425	SIGMA vs TILE	69.328966	16.595	52.7339655	Up-regulated
CYP4F12	HsaALTD0001778-2/2	SIGMA vs TILE	87.566333	75.67290323	11.8934301	Up-regulated
DNM2	HsaEX0020455	SIGMA vs TILE	69.682258	56.46166667	13.2205914	Up-regulated
ENY2	HsaALTD0002242-1/3	SIGMA vs TILE	36.478387	25.40064516	11.0777419	Up-regulated
EPB41	HsaEX0022618	SIGMA vs TILE	50.411724	28.11	22.3017241	Up-regulated
EPB41	HsaEX0022625	SIGMA vs TILE	32.217	20.27166667	11.9453333	Up-regulated
FLNB	HsaEX0025938	SIGMA vs TILE	26.502903	15.635625	10.8672782	Up-regulated
FRYL	HsaEX0026474	SIGMA vs TILE	91.055806	79.97580645	11.08	Up-regulated
GPR160	HsaALTD0002862-1/2	SIGMA vs TILE	78.927419	64.7253125	14.2021069	Up-regulated
HLA-DMB	HsaEX0030104	SIGMA vs TILE	79.234667	35.6525	43.5821667	Up-regulated
MGLL	HsaEX0039129	SIGMA vs TILE	39.295484	18.56206897	20.7334149	Up-regulated
NCOA2	HsaEX0042057	SIGMA vs TILE	80.828621	70.55433333	10.2742874	Up-regulated
PTPRF	HsaEX0051138	SIGMA vs TILE	21.917	9.721290323	12.1957097	Up-regulated
RPS24	HsaEX0055568	SIGMA vs TILE	65.994839	55.560625	10.4342137	Up-regulated
SLK	HsaEX0060174	SIGMA vs TILE	72.071613	52.17551724	19.8960957	Up-regulated
STXBP5	HsaEX0062777	SIGMA vs TILE	30.540345	16.68068966	13.8596552	Up-regulated
TPM1	HsaEX0066682	SIGMA vs TILE	75.457097	45.69266667	29.7644301	Up-regulated
UAP1	HsaEX0068590	SIGMA vs TILE	71.949677	39.5290625	32.4206149	Up-regulated
UGP2	HsaEX0069181	SIGMA vs TILE	60.313548	15.979	44.3345484	Up-regulated
USO1	HsaEX0069561	SIGMA vs TILE	44.526129	20.48548387	24.0406452	Up-regulated
AKAP9	HsaEX0003428	INF vs NoINF	32.988095	21.71452381	11.2735714	Up-regulated
CCDC68	HsaEX0013408	INF vs NoINF	96.679	85.92575	10.75325	Up-regulated
CIDEB	HsaINT0035423	INF vs NoINF	45.054737	30.06184211	14.9928947	Up-regulated
CIDEB	HsaINT0035425	INF vs NoINF	50.242	37.48146341	12.7605366	Up-regulated
CIDEB	HsaINT0035426	INF vs NoINF	43.4785	32.37358974	11.1049103	Up-regulated
MT1G	HsaALTA0005394-1/2	INF vs NoINF	35.941053	25.59	10.3510526	Up-regulated
PACSIN2	HsaEX0045197	INF vs NoINF	83.370476	72.2615	11.1089762	Up-regulated
PCBP2	HsaALTA0006106-2/3	INF vs NoINF	75.52	64.71404762	10.8059524	Up-regulated
PLOD2	HsaEX0048471	INF vs NoINF	42.117895	31.8095	10.3083947	Up-regulated
SLC39A14	HsaEX0059640	INF vs NoINF	48.881905	38.20292683	10.6789779	Up-regulated
SYK	HsaEX0063119	INF vs NoINF	56.5545	39.43170732	17.1227927	Up-regulated
CAST	HsaEX0012625	UC vs Ct-Dct	63.000588	50.74555556	12.2550327	Up-regulated
GBP3	HsaEX0027164	UC vs Ct-Dct	95.460588	81.54038462	13.9202036	Up-regulated
TMPRSS4	HsaALTA0008827-2/2	UC vs Ct-Dct	48.929412	25.64407407	23.2853377	Up-regulated
GBP3	HsaEX0027164	CD vs Ct-Dct	94.171667	81.54038462	12.6312821	Up-regulated
HLA-C	HsaALTA0004015-2/2	CD vs Ct-Dct	16.941053	2.176666667	14.764386	Up-regulated
PARP4	HsaINT0120516	CD vs Ct-Dct	20.778333	9.553333333	11.225	Up-regulated
TMPRSS4	HsaALTA0008827-2/2	CD vs Ct-Dct	40.383684	25.64407407	14.7396101	Up-regulated
ABLIM1	HsaEX0000723	CdbTILEvsCDnbTILE	98.304	87.67333333	10.6306667	Up-regulated
ACIN1	HsaALTA0000160-1/2	CdbTILEvsCDnbTILE	25.158	12.47333333	12.6846667	Up-regulated
AFTPH	HsaALTA0000272-1/2	CdbTILEvsCDnbTILE	33.778	22.00833333	11.7696667	Up-regulated
AKAP13	HsaEX0003375	CdbTILEvsCDnbTILE	29.88	13.21833333	16.6616667	Up-regulated
AKAP9	HsaEX0003428	CdbTILEvsCDnbTILE	42.72	19.86833333	22.8516667	Up-regulated
ANKHD1	HsaEX0004213	CdbTILEvsCDnbTILE	88.432	77.18666667	11.2453333	Up-regulated
APP	HsaEX0005197	CdbTILEvsCDnbTILE	34.322	23.48	10.842	Up-regulated
ARHGAP5	HsaALTA0000616-2/2	CdbTILEvsCDnbTILE	82.346	71.33666667	11.0093333	Up-regulated
ASL	HsaEX0006287	CdbTILEvsCDnbTILE	93.932	82.98	10.952	Up-regulated
BACE2	HsaALTD0000641-2/2	CdbTILEvsCDnbTILE	91.288	75.29166667	15.9963333	Up-regulated
BCAP31	HsaALTD0000673-1/2	CdbTILEvsCDnbTILE	96.128	81.30666667	14.8213333	Up-regulated
BPTF	HsaEX0008352	CdbTILEvsCDnbTILE	53.44	38.03166667	15.4083333	Up-regulated
CIDEB	HsaINT0035425	CdbTILEvsCDnbTILE	27.722	12.36	15.362	Up-regulated
CIDEB	HsaINT0035426	CdbTILEvsCDnbTILE	22.488	10.70666667	11.7813333	Up-regulated
COL6A3	HsaEX0016637	CdbTILEvsCDnbTILE	22.098	9.388333333	12.7096667	Up-regulated
CTDSP1	HsaALTA0002230-2/2	CdbTILEvsCDnbTILE	50.398	39.63666667	10.7613333	Up-regulated
CTTN	HsaEX0017945	CdbTILEvsCDnbTILE	68.138	53.56833333	14.5696667	Up-regulated
DAZAP1	HsaEX0018546	CdbTILEvsCDnbTILE	89.732	77.81166667	11.9203333	Up-regulated
DCAF11	HsaALTA0002350-2/2	CdbTILEvsCDnbTILE	92.546	82.14333333	10.4026667	Up-regulated
DNM2	HsaALTA0002577-1/2	CdbTILEvsCDnbTILE	30.682	16.22333333	14.4586667	Up-regulated
EPB41	HsaEX0022618	CdbTILEvsCDnbTILE	32.424	21.815	10.609	Up-regulated
FAM160A2	HsaALTD0002401-2/2	CdbTILEvsCDnbTILE	26.198	10.78666667	15.4113333	Up-regulated
HLA-DMB	HsaEX0030104	CdbTILEvsCDnbTILE	53.526	23.625	29.901	Up-regulated
HNRNPH1	HsaALTD0003092-1/3	CdbTILEvsCDnbTILE	59.966	47.76166667	12.2043333	Up-regulated
LRRFIP2	HsaEX0036752	CdbTILEvsCDnbTILE	22.458	9.901666667	12.5563333	Up-regulated
MACF1	HsaEX0037171	CdbTILEvsCDnbTILE	61.486	46.27833333	15.2076667	Up-regulated
MACF1	HsaEX0037173	CdbTILEvsCDnbTILE	58.194	47.64333333	10.5506667	Up-regulated
MACF1	HsaEX0037174	CdbTILEvsCDnbTILE	56.466	41.82666667	14.6393333	Up-regulated
MBNL1	HsaEX0038106	CdbTILEvsCDnbTILE	75.758	61.09666667	14.6613333	Up-regulated
MIER3	HsaALTA0005207-1/2	CdbTILEvsCDnbTILE	33.574	19.57666667	13.9973333	Up-regulated
MT1G	HsaALTA0005394-1/2	CdbTILEvsCDnbTILE	34.062	17.48	16.582	Up-regulated
NCOA2	HsaEX0042057	CdbTILEvsCDnbTILE	83.64	59.45833333	24.1816667	Up-regulated
OSBPL8	HsaALTA0005982-2/2	CdbTILEvsCDnbTILE	72.862	62.75166667	10.1103333	Up-regulated
PACSIN2	HsaEX0045197	CdbTILEvsCDnbTILE	87.572	70.15833333	17.4136667	Up-regulated
PCBP2	HsaEX0045776	CdbTILEvsCDnbTILE	88.434	77.27166667	11.1623333	Up-regulated
PCNP	HsaALTA0006126-2/3	CdbTILEvsCDnbTILE	67.328	54.01333333	13.3146667	Up-regulated

## UPreg\_DRAS

PEX19	HsaEX0046648	CdbTILEvsCDnbTILE	90.17	79.12333333	11.0466667	Up-regulated
PTBP1	HsaEX0050725	CdbTILEvsCDnbTILE	74.4	62.28166667	12.1183333	Up-regulated
REPIN1	HsaALTA0007104-2/3	CdbTILEvsCDnbTILE	90.854	80.65333333	10.2006667	Up-regulated
SPINT1	HsaALTD0006179-1/2	CdbTILEvsCDnbTILE	73.902	59.31166667	14.5903333	Up-regulated
SSFA2	HsaALTD0006216-2/2	CdbTILEvsCDnbTILE	84.766	73.07666667	11.6893333	Up-regulated
STUB1	HsaINT0161252	CdbTILEvsCDnbTILE	54.354	43.53666667	10.8173333	Up-regulated
SYK	HsaEX0063119	CdbTILEvsCDnbTILE	60.998	30.27833333	30.7196667	Up-regulated
SYNE2	HsaEX0063188	CdbTILEvsCDnbTILE	20.42	10.02666667	10.3933333	Up-regulated
TMEM106C	HsaALTD0006585-1/2	CdbTILEvsCDnbTILE	81.584	63.23666667	18.3473333	Up-regulated
TMPRSS4	HsaALTA0008827-2/2	CdbTILEvsCDnbTILE	43.7	31.07333333	12.6266667	Up-regulated
TPM1	HsaEX0066682	CdbTILEvsCDnbTILE	46.246	35.355	10.891	Up-regulated
UAP1	HsaEX0068590	CdbTILEvsCDnbTILE	48.416	36.12166667	12.2943333	Up-regulated
VPS13D	HsaALTA0009424-1/2	CdbTILEvsCDnbTILE	81.264	61.50166667	19.7623333	Up-regulated
WIPI2	HsaALTD0007227-1/3	CdbTILEvsCDnbTILE	49.572	35.24333333	14.3286667	Up-regulated
ZC3H14	HsaALTA0009631-2/2	CdbTILEvsCDnbTILE	65.902	54.68166667	11.2203333	Up-regulated
ABCE1	HsaALTA0000053-1/2	UcbSIGvsUCnbSIG	13.315	2.202	11.113	Up-regulated
AKAP9	HsaEX0003428	UcbSIGvsUCnbSIG	30.8075	18.492	12.3155	Up-regulated
ARFRP1	HsaINT0011199	UcbSIGvsUCnbSIG	15.59	1.068	14.522	Up-regulated
ARHGEF2	HsaALTA0000630-2/2	UcbSIGvsUCnbSIG	73.0725	59.572	13.5005	Up-regulated
ASRGL1	HsaEX0006364	UcbSIGvsUCnbSIG	91.9075	79.556	12.3515	Up-regulated
BCL2L1	HsaALTA0000926-1/2	UcbSIGvsUCnbSIG	47.845	37.412	10.433	Up-regulated
CASP8	HsaEX0012593	UcbSIGvsUCnbSIG	87.4125	75.37	12.0425	Up-regulated
CCNL1	HsaEX0013664	UcbSIGvsUCnbSIG	51.6725	39.866	11.8065	Up-regulated
CD44	HsaEX0013860	UcbSIGvsUCnbSIG	60.635	50.226	10.409	Up-regulated
CD44	HsaEX0013868	UcbSIGvsUCnbSIG	20.3975	10.192	10.2055	Up-regulated
CNIH4	HsaEX0015932	UcbSIGvsUCnbSIG	94.5925	82.784	11.8085	Up-regulated
COPS2	HsaALTA0002079-2/2	UcbSIGvsUCnbSIG	47.895	35.926	11.969	Up-regulated
CORO1C	HsaEX0016862	UcbSIGvsUCnbSIG	21.2525	11.104	10.1485	Up-regulated
DAP3	HsaALTD0001799-2/2	UcbSIGvsUCnbSIG	38.115	22.522	15.593	Up-regulated
EIF3B	HsaALTA0002813-2/2	UcbSIGvsUCnbSIG	58.36	45.216	13.144	Up-regulated
ENOPH1	HsaALTD0002229-1/2	UcbSIGvsUCnbSIG	31.9275	12.402	19.5255	Up-regulated
ENOSF1	HsaEX0022477	UcbSIGvsUCnbSIG	93.3275	80.508	12.8195	Up-regulated
ENOSF1	HsaEX0022478	UcbSIGvsUCnbSIG	92.42	80.148	12.272	Up-regulated
ENOSF1	HsaEX0022479	UcbSIGvsUCnbSIG	95.7325	82.056	13.6765	Up-regulated
EPS8L3	HsaEX0022896	UcbSIGvsUCnbSIG	93.61	81.222	12.388	Up-regulated
EXOSC8	HsaINT0058855	UcbSIGvsUCnbSIG	18.8575	7.098	11.7595	Up-regulated
GBF1	HsaINT0068051	UcbSIGvsUCnbSIG	30.15	12.366	17.784	Up-regulated
GPR160	HsaALTD0002862-1/2	UcbSIGvsUCnbSIG	85.2725	75.048	10.2245	Up-regulated
GRHPR	HsaALTD0002884-2/3	UcbSIGvsUCnbSIG	27.65	12.692	14.958	Up-regulated
H2AFY	HsaEX0029172	UcbSIGvsUCnbSIG	78.49	68.16	10.33	Up-regulated
HMGCS1	HsaEX0030208	UcbSIGvsUCnbSIG	71.2325	58.196	13.0365	Up-regulated
KCTD20	HsaEX0033177	UcbSIGvsUCnbSIG	93.88	82.502	11.378	Up-regulated
KIAA1109	HsaALTD0003451-1/2	UcbSIGvsUCnbSIG	80.165	66.094	14.071	Up-regulated
KITLG	HsaEX0034675	UcbSIGvsUCnbSIG	84.2475	72.806	11.4415	Up-regulated
MACF1	HsaEX0037170	UcbSIGvsUCnbSIG	54.155	42.63	11.525	Up-regulated
MACF1	HsaEX0037171	UcbSIGvsUCnbSIG	57.71	43.254	14.456	Up-regulated
MACF1	HsaEX0037172	UcbSIGvsUCnbSIG	54.2225	41.906	12.3165	Up-regulated
MED13L	HsaEX0038571	UcbSIGvsUCnbSIG	20.785	9.636	11.149	Up-regulated
MEF2C	HsaALTA0005120-1/2	UcbSIGvsUCnbSIG	57.455	44.864	12.591	Up-regulated
MRPL11	HsaALTD0004005-2/2	UcbSIGvsUCnbSIG	92.2075	81.236	10.9715	Up-regulated
PABPC4	HsaALTD0004542-1/2	UcbSIGvsUCnbSIG	92.4225	81.648	10.7745	Up-regulated
PCGF5	HsaEX0045879	UcbSIGvsUCnbSIG	73.725	62.888	10.837	Up-regulated
PCNP	HsaALTA0006126-1/3	UcbSIGvsUCnbSIG	47.545	36.454	11.091	Up-regulated
PIP5K1B	HsaINT0125389	UcbSIGvsUCnbSIG	18.1175	7.75	10.3675	Up-regulated
PPP1R12C	HsaALTA0006603-1/2	UcbSIGvsUCnbSIG	51.505	41.158	10.347	Up-regulated
RHPN2	HsaINT0140597	UcbSIGvsUCnbSIG	25.0275	8.452	16.5755	Up-regulated
RNASEK	HsaALTD0005428-2/2	UcbSIGvsUCnbSIG	91.0125	79.824	11.1885	Up-regulated
RNF13	HsaALTD0005436-2/2	UcbSIGvsUCnbSIG	23.515	10.278	13.237	Up-regulated
RNPC3	HsaALTA0007252-2/2	UcbSIGvsUCnbSIG	76.1	63.27	12.83	Up-regulated
RPLP0	HsaALTA0007347-2/2	UcbSIGvsUCnbSIG	84.4675	66.84	17.6275	Up-regulated
RPS24	HsaALTA0007381-1/2	UcbSIGvsUCnbSIG	57.0275	37.314	19.7135	Up-regulated
SERPINA1	HsaALTA0007647-1/2	UcbSIGvsUCnbSIG	41.5825	28.952	12.6305	Up-regulated
SIRT5	HsaEX0058448	UcbSIGvsUCnbSIG	97.295	87.156	10.139	Up-regulated
SLC25A39	HsaALTA0007888-1/2	UcbSIGvsUCnbSIG	89.1125	77.632	11.4805	Up-regulated
SLC39A14	HsaEX0059640	UcbSIGvsUCnbSIG	51.525	36.03	15.495	Up-regulated
TMEM106C	HsaALTD0006585-2/2	UcbSIGvsUCnbSIG	31.7125	20.444	11.2685	Up-regulated
TMPO	HsaEX0066064	UcbSIGvsUCnbSIG	79.855	69.736	10.119	Up-regulated
TMPRSS4	HsaALTA0008827-2/2	UcbSIGvsUCnbSIG	48.4	31.53	16.87	Up-regulated
UGT8	HsaEX0069198	UcbSIGvsUCnbSIG	21.82	11.332	10.488	Up-regulated
VTI1A	HsaEX0070740	UcbSIGvsUCnbSIG	11.315	0.8	10.515	Up-regulated