

Vehicle Group FMRP targets

Accession	Gene	Fold Change (KO vs. WT)	Log2 Fold Change	Students T Test	-Log10 T Test	Description
Q91XM9-8	Dlg2	1.075979318	0.105650348	0.002208582	2.655886434	Isoform 8 of Disks large homolog 2 OS=Mus musculus GN=Dlg2
Q8C8R3-5	Ank2	1.065510177	0.091544372	0.003757621	2.425087075	Isoform 5 of Ankyrin-2 OS=Mus musculus GN=Ank2
P63318	Prkcg	1.08629115	0.119410829	0.00548705	2.260661091	Protein kinase C gamma type OS=Mus musculus GN=Prkcg PE=1 SV=1
Q80TM9-6	Nisch	1.075622486	0.105171821	0.006444839	2.190787895	Isoform 6 of Nischarin OS=Mus musculus GN=Nisch
P97820	Map4k4	0.899806816	-0.1523128	0.008224713	2.084879263	Mitogen-activated protein kinase kinase kinase 4 OS=Mus musculus GN=Map4k4 PE=1 SV=1
Q8C8R3	Ank2	1.059448671	0.083313693	0.008364644	2.07752561	Ankyrin-2 OS=Mus musculus GN=Ank2 PE=1 SV=2
Q9QYR6	Map1a	0.927499851	-0.108581044	0.010691081	1.970978374	Microtubule-associated protein 1A OS=Mus musculus GN=Map1a PE=1 SV=2
Q8R5H6	Waf1	1.081414898	0.112920137	0.011688166	1.932253632	Wiskott-Aldrich syndrome protein family member 1 OS=Mus musculus GN=Waf1 PE=1 SV=2
Q91XM9-3	Dlg2	1.067577885	0.094341325	0.014134174	1.84972956	Isoform 3 of Disks large homolog 2 OS=Mus musculus GN=Dlg2
P15209-4	Ntrk2	0.910244262	-0.135674354	0.015165605	1.819140267	Isoform L10 of BDNF/NT-3 growth factors receptor OS=Mus musculus GN=Ntrk2
Q8C8R3-2	Ank2	1.050122759	0.070557988	0.017571554	1.755189826	Isoform 2 of Ankyrin-2 OS=Mus musculus GN=Ank2
Q7TNG5	Eml2	0.847302355	-0.239051215	0.018267812	1.738313455	Echinoderm microtubule-associated protein-like 2 OS=Mus musculus GN=Eml2 PE=2 SV=1
BOV2N1-5	Ptprs	1.071522532	0.099662187	0.01939093	1.712401366	Isoform 5 of Receptor-type tyrosine-protein phosphatase 5 OS=Mus musculus GN=Ptprs
Q8C8R3-3	Ank2	1.096181835	0.132487133	0.020215558	1.694314272	Isoform 3 of Ankyrin-2 OS=Mus musculus GN=Ank2
O55143	Atp2a2	0.935227756	-0.096610348	0.021391148	1.669765914	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 OS=Mus musculus GN=Atp2a2 PE=1 SV=2
Q80TM9-5	Nisch	1.168830607	0.225065862	0.022019582	1.657190938	Isoform 5 of Nischarin OS=Mus musculus GN=Nisch
O54774	Ap3d1	1.079275365	0.110062999	0.022340333	1.650910363	AP-3 complex subunit delta-1 OS=Mus musculus GN=Ap3d1 PE=1 SV=1
O55143-2	Atp2a2	0.935794006	-0.095737108	0.02294654	1.639282783	Isoform 2 of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 OS=Mus musculus GN=Atp2a2
Q9WVC2-2	Lynx1	0.854520074	-0.226813711	0.023561219	1.627802248	Isoform 2 of Ly-6/neurotoxin-like protein 1 OS=Mus musculus GN=Lynx1
Q3UH60-2	Dip2b	0.876411099	-0.19032034	0.024046253	1.618952584	Isoform 2 of Disco-interacting protein 2 homolog B OS=Mus musculus GN=Dip2b
Q92254	Pde2a	1.132383211	0.179362265	0.033094803	1.480240195	cGMP-dependent 3',5'-cyclic phosphodiesterase OS=Mus musculus GN=Pde2a PE=1 SV=3
P60761	Nrgn	1.378599859	0.463203773	0.034200339	1.465969592	Neurogranin OS=Mus musculus GN=Nrgn PE=1 SV=1
P56399	Usp5	1.05292108	0.074397305	0.034810891	1.45828486	Ubiquitin carboxyl-terminal hydrolase 5 OS=Mus musculus GN=Usp5 PE=1 SV=1
Q3UH60	Dip2b	0.896587548	-0.157483631	0.034949008	1.456565151	Disco-interacting protein 2 homolog B OS=Mus musculus GN=Dip2b PE=1 SV=1
P63328-2	Ppp3ca	0.914357526	-0.129169707	0.03589591	1.444955036	Isoform 2 of Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform OS=Mus musculus GN=Ppp3ca
P62746	Rhob	1.082460939	0.114314966	0.036860585	1.433437778	Rho-related GTP-binding protein Rhob OS=Mus musculus GN=Rhob PE=1 SV=1
P46460	Nsf	0.949539635	-0.074699874	0.04089323	1.388348583	Vesicle-fusing ATPase OS=Mus musculus GN=Nsf PE=1 SV=2
P62814	Atp6v1b2	1.115271262	0.157394653	0.04251016	1.371507265	V-type proton ATPase subunit B, brain isoform OS=Mus musculus GN=Atp6v1b2 PE=1 SV=1
O08553	Dpysl2	1.041422281	0.058555178	0.043146592	1.365053506	Dihydropyrimidinase-related protein 2 OS=Mus musculus GN=Dpysl2 PE=1 SV=2
Q9E528-6	Arhgef7	1.095719014	0.131877881	0.043343709	1.363073923	Isoform F of Rho guanine nucleotide exchange factor 7 OS=Mus musculus GN=Arhgef7
Q91V92	Acly	0.931049029	-0.103070953	0.046363972	1.333819368	ATP-citrate synthase OS=Mus musculus GN=Acly PE=1 SV=1
Q64487-11	Ptprd	1.088201923	0.121946282	0.046897645	1.328848966	Isoform K of Receptor-type tyrosine-protein phosphatase delta OS=Mus musculus GN=Ptprd
Q04447	Ckb	0.919233191	-0.121497204	0.048045298	1.318349112	Creatine kinase B-type OS=Mus musculus GN=Ckb PE=1 SV=1
P15209	Ntrk2	0.937528156	-0.093066077	0.048189883	1.317044128	BDNF/NT-3 growth factors receptor OS=Mus musculus GN=Ntrk2 PE=1 SV=1
Q922Q6	Sept5	1.082542692	0.114423921	0.048301057	1.316043364	Septin-5 OS=Mus musculus GN=Sept5 PE=1 SV=2
Q5F2E8	Taok1	0.914683604	-0.128655304	0.049479094	1.305578262	Serine/threonine-protein kinase TAO1 OS=Mus musculus GN=Taok1 PE=1 SV=1
Q80U23-3	Snph	0.828491812	-0.271440656	0.049944505	1.30151229	Isoform 3 of Syntaphilin OS=Mus musculus GN=Snph

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Accession	Gene	Fold Change (KO vs. WT)	Log2 Fold Change	Students T Test	-Log10 T Test	Description
Q80T1-2	Cadps	1.104336426	0.143179743	1.05672E-06	5.97603835	Isoform 2 of Calcium-dependent secretion activator 1 OS=Mus musculus GN=Cadps
Q80T1	Cadps	1.102122491	0.140284575	1.68706E-06	5.772870728	Calcium-dependent secretion activator 1 OS=Mus musculus GN=Cadps PE=1 SV=3
QC9C213	Uqcrc1	1.107822005	0.147726159	0.000138756	3.857747165	Cytochrome b-c1 complex subunit 1, mitochondrial OS=Mus musculus GN=Uqcrc1 PE=1 SV=2
Q3UJH0	Aak1	1.143897242	0.193957458	0.00019345	3.713431015	AP2-associated protein kinase 1 OS=Mus musculus GN=Aak1 PE=1 SV=2
Q80T23-3	Dnajc6	1.111121261	0.152016725	0.000327877	3.484288469	Isoform 3 of Putative tyrosine-protein phosphatase auxilin OS=Mus musculus GN=Dnajc6
O08599-2	Stxbp1	1.217102593	0.283450782	0.000420865	3.375857328	Isoform 2 of Syntaxin-binding protein 1 OS=Mus musculus GN=Stxbp1
O08599	Stxbp1	1.219005238	0.285704325	0.000423548	3.373097056	Syntaxin-binding protein 1 OS=Mus musculus GN=Stxbp1 PE=1 SV=2
Q90XL1	Kif21b	0.794953482	-0.331057655	0.000804419	3.094517752	Kinesin-like protein KIF21B OS=Mus musculus GN=Kif21b PE=1 SV=2
P51863	Atp6v0d1	1.133145705	0.180333381	0.000981817	3.007969632	V-type proton ATPase subunit d 1 OS=Mus musculus GN=Atp6v0d1 PE=1 SV=2
Q7TQD2	Tppp	1.386280979	0.4712197	0.001078219	2.967292898	Tubulin polymerization-promoting protein OS=Mus musculus GN=Tppp PE=1 SV=1
P17710-2	Hk1	1.134429196	0.181966568	0.001156063	2.937018462	Isoform HK1-SB of Hexokinase-1 OS=Mus musculus GN=Hk1
P17710-4	Hk1	1.131647569	0.178424727	0.001163715	2.93415355	Isoform HK1-SC of Hexokinase-1 OS=Mus musculus GN=Hk1
P05064	Aldoa	1.244265351	0.315294187	0.001178822	2.928551588	Fructose-bisphosphate aldolase A OS=Mus musculus GN=Aldoa PE=1 SV=2
P39053-5	Dnm1	1.18332577	0.242847303	0.001275488	2.894323657	Isoform 5 of Dynamin-1 OS=Mus musculus GN=Dnm1
Q54774	Ap3d1	1.085198687	0.117959208	0.001289174	2.88968858	AP-3 complex subunit delta-1 OS=Mus musculus GN=Ap3d1 PE=1 SV=1
P39053-6	Dnm1	1.183595288	0.243175588	0.001298721	2.88648397	Isoform 6 of Dynamin-1 OS=Mus musculus GN=Dnm1
Q68FD5	Cltc	1.1005122	0.138175139	0.00135428	2.868291503	Clathrin heavy chain 1 OS=Mus musculus GN=Cltc PE=1 SV=3
P39053-3	Dnm1	1.186877732	0.247171321	0.001482087	2.829126225	Isoform 3 of Dynamin-1 OS=Mus musculus GN=Dnm1
P97427	Crmp1	0.879110024	-0.18588436	0.001486172	2.827930813	Dihydropyrimidinase-related protein 1 OS=Mus musculus GN=Crmp1 PE=1 SV=1
P56480	Atp5b	1.1427315	0.192486463	0.001636866	2.785986871	ATP synthase subunit beta, mitochondrial OS=Mus musculus GN=Atp5b PE=1 SV=2
Q88PN8	Dnm2	1.103153042	0.141632953	0.001775569	2.750662386	DmX-like protein 2 OS=Mus musculus GN=Dnm2 PE=1 SV=3
P63328-2	Ppp3ca	1.111556433	0.152581195	0.002078636	2.682221453	Isoform 2 of Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform OS=Mus musculus GN=Ppp3ca
O88935	Syn1	1.214356981	0.202294594	0.002294594	2.639294127	Synapsin-1 OS=Mus musculus GN=Syn1 PE=1 SV=2
O88935-3	Syn1	1.214188755	0.279992717	0.00233142	2.632379559	Isoform 3 of Synapsin-1 OS=Mus musculus GN=Syn1
Q92YX7	Pclo	1.098469206	0.135494426	0.002582077	2.58803079	Protein piccolo OS=Mus musculus GN=Pclo PE=1 SV=4
O61028-3	Dlg4	1.142739018	0.192495954	0.002592452	2.586289243	Isoform 3 of Disks large homolog 4 OS=Mus musculus GN=Dlg4
O9JMH9-4	Myo18a	1.079470399	0.110323682	0.002614256	2.582651859	Isoform 4 of Unconventional myosin-XVIIIA OS=Mus musculus GN=Myo18a
Q5V1M6	Rap1gap2	1.186423622	0.246619228	0.002641797	2.578100497	Rap1 GTPase-activating protein 2 OS=Mus musculus GN=Rap1gap2 PE=2 SV=1
P13595	Ncam1	0.90259266	-0.147853048	0.002696894	2.569136183	Neural cell adhesion molecule 1 OS=Mus musculus GN=Ncam1 PE=1 SV=3
O9JMH9-5	Myo18a	1.079756115	0.110705487	0.002716663	2.565964208	Isoform 5 of Unconventional myosin-XVIIIA OS=Mus musculus GN=Myo18a
P63328	Ppp3ca	1.119307533	0.162606476	0.002770923	2.557375561	Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform OS=Mus musculus GN=Ppp3ca PE=1 SV=1
P68404	Prkcb	1.091441587	0.12623492	0.002804681	2.552116496	Protein kinase C beta type OS=Mus musculus GN=Prkcb PE=1 SV=4
P13595-2	Ncam1	0.901856195	-0.149030688	0.002893867	2.538521464	Isoform 2 of Neural cell adhesion molecule 1 OS=Mus musculus GN=Ncam1
Q88G39	Sv2b	1.236907142	0.306737197	0.00289737	2.537996031	Synaptic vesicle glycoprotein 2B OS=Mus musculus GN=Sv2b PE=1 SV=1
O9JLM8	Dclk1	0.880149241	-0.184179923	0.002934559	2.532457081	Serine/threonine-protein kinase DCLK1 OS=Mus musculus GN=Dclk1 PE=1 SV=1
P63040	Cplx1	1.162790272	0.217590907	0.002960157	2.528685208	Complexin-1 OS=Mus musculus GN=Cplx1 PE=1 SV=1
O9QYX7-2	Pclo	1.097854788	0.134687244	0.00297544	2.526448758	Isoform 2 of Protein piccolo OS=Mus musculus GN=Pclo
Q80U28	Madd	1.121153709	0.164984084	0.00313307	2.504029876	MAP kinase-activating death domain protein OS=Mus musculus GN=Madd PE=1 SV=2
Q80U28-3	Madd	1.119195116	0.162461572	0.003338674	2.476425996	Isoform 3 of MAP kinase-activating death domain protein OS=Mus musculus GN=Madd
Q88J11	Slc6a17	1.118664044	0.282198283	0.003493374	2.475043974	Sodium-dependent neutral amino acid transporter SLC6A17 OS=Mus musculus GN=Slc6a17 PE=1 SV=1
P13595-4	Ncam1	0.894833019	-0.160309602	0.003677503	2.434446953	Isoform 4 of Neural cell adhesion molecule 1 OS=Mus musculus GN=Ncam1
P63141	Kna2	1.331271119	0.412745892	0.003880279	2.411137017	Potassium voltage-gated channel subfamily A member 2 OS=Mus musculus GN=Kna2 PE=1 SV=1
Q5V1V6-2	Rap1gap2	1.202100923	0.265558023	0.003898908	2.408956802	Isoform 2 of Rap1 GTPase-activating protein 2 OS=Mus musculus GN=Rap1gap2
P13595-3	Ncam1	0.904049659	-0.145526074	0.003963724	2.401896444	Isoform 3 of Neural cell adhesion molecule 1 OS=Mus musculus GN=Ncam1
Q9JLM8-2	Dclk1	0.889038658	-0.169681943	0.00404068	2.393545564	Isoform 2 of Serine/threonine-protein kinase DCLK1 OS=Mus musculus GN=Dclk1
P62814	Atp6v1b2	1.141866594	0.191394109	0.004044406	2.39134526	V-type proton ATPase subunit B, brain isoform OS=Mus musculus GN=Atp6v1b2 PE=1 SV=1
Q9DBG3	Ap2b1	1.086593874	0.119812818	0.004154076	2.38125557	AP-2 complex subunit beta OS=Mus musculus GN=Ap2b1 PE=1 SV=1
P05063	Aldoc	1.193180124	0.254811851	0.004179965	2.378827369	Fructose-bisphosphate aldolase C OS=Mus musculus GN=Aldoc PE=1 SV=4
P84086	Cplx2	1.151256423	0.203209206	0.004297567	2.366777342	Complexin-2 OS=Mus musculus GN=Cplx2 PE=1 SV=1
P68404-2	Prkcb	1.087685583	0.121261577	0.004409751	2.355585927	Isoform Beta-II of Protein kinase C beta type OS=Mus musculus GN=Prkcb
Q81018	Zfyve1	1.238260806	0.380315211	0.004427842	2.353807925	Zinc finger FVE domain-containing protein 1 OS=Mus musculus GN=Zfyve1 PE=2 SV=2
Q8C419	Gpr158	1.121532322	0.165471199	0.004467542	2.349931311	Probable G-protein coupled receptor 158 OS=Mus musculus GN=Gpr158 PE=1 SV=2
O88935-1	Syn1	1.199501975	0.262435533	0.004769642	2.329787401	Isoform 1b of Synapsin-1 OS=Mus musculus GN=Syn1
P63044	Vamp2	1.130059788	0.176399103	0.00474547	2.323720727	Vesicle-associated membrane protein 2 OS=Mus musculus GN=Vamp2 PE=1 SV=2
Q03265	Atp5a1	1.139520599	0.188427004	0.004977315	2.303004834	ATP synthase subunit alpha, mitochondrial OS=Mus musculus GN=Atp5a1 PE=1 SV=1
P46096	Syt1	1.194394595	0.256279541	0.005004145	2.300670158	Synaptotagmin-1 OS=Mus musculus GN=Syt1 PE=1 SV=1
Q61548-3	Snap91	1.089942142	0.124251554	0.005098733	2.29253772	Isoform 3 of Clathrin coat assembly protein AP180 OS=Mus musculus GN=Snap91
Q80U28-11	Madd	1.137929113	0.18641071	0.005364719	2.270453043	Isoform 11 of MAP kinase-activating death domain protein OS=Mus musculus GN=Madd
Q88RT1-6	Clasp2	0.846131163	-0.241046775	0.005509035	2.258924506	Isoform 3 of CLIP-associating protein 2 OS=Mus musculus GN=Clasp2
Q8VD37-3	Sgip1	1.063845643	0.08928884	0.005756671	2.239828576	Isoform 3 of SH3-containing GRB2-like protein 3-interacting protein 1 OS=Mus musculus GN=Sgip1
Q80U28-2	Madd	1.118663333	0.161775916	0.005929036	2.227015923	Isoform 2 of MAP kinase-activating death domain protein OS=Mus musculus GN=Madd
Q60597-4	Ogdh	1.056660808	0.07951234	0.005943343	2.225969219	Isoform 4 of 2-oxoglutarate dehydrogenase, mitochondrial OS=Mus musculus GN=Ogdh
Q60597	Ogdh	1.056552004	0.079363779	0.006184034	2.208728124	2-oxoglutarate dehydrogenase, mitochondrial OS=Mus musculus GN=Ogdh PE=1 SV=3
Q04447	Ckb	1.195815418	0.257994717	0.006282514	2.201866519	Creatine kinase B-type OS=Mus musculus GN=Ckb PE=1 SV=1
Q80U28-7	Madd	1.139299321	0.188146827	0.006366154	2.196122885	Isoform 7 of MAP kinase-activating death domain protein OS=Mus musculus GN=Madd
P15209-2	Ntrk2	1.233453957	0.302703863	0.006811491	2.166757792	Isoform GP95-TRKB of BDNF/NT-3 growth factors receptor OS=Mus musculus GN=Ntrk2
P14873	Map1b	0.866261404	-0.207125655	0.006966774	2.156968282	Microtubule-associated protein 1B OS=Mus musculus GN=Map1b PE=1 SV=2
Q921G4	Atp6v0a1	1.108007158	0.138561379	0.007333748	2.192307121	V-type proton ATPase 116 kDa subunit a isoform 1 OS=Mus musculus GN=Atp6v0a1 PE=1 SV=3
Q60575-3	Kif1b	1.104296916	0.143128126	0.007691895	2.113966647	Isoform 3 of Kinesin-like protein KIF1B OS=Mus musculus GN=Kif1b
Q80VP1	Epn1	1.092474181	0.127599184	0.007750737	2.110656988	Epsin-1 OS=Mus musculus GN=Epn1 PE=1 SV=3
Q80U28-13	Madd	1.135528334	0.183363705	0.007866375	2.104425512	Isoform 13 of MAP kinase-activating death domain protein OS=Mus musculus GN=Madd
P15209	Ntrk2	1.25197476	0.324205478	0.008617028	2.064642489	BDNF/NT-3 growth factors receptor OS=Mus musculus GN=Ntrk2 PE=1 SV=1
Q7TQF7	Amph	1.06331557	0.088569822	0.008632614	2.063857675	Amphiphysin OS=Mus musculus GN=Amph PE=1 SV=1
A2C649-6	Kalrn	0.858419909	-0.220244558	0.008673958	2.061782682	Isoform 6 of Kalirin OS=Mus musculus GN=Kalrn
P68181-3	Prkacb	0.848191088	-0.237538771	0.009010467	2.045252685	Isoform 3 of cAMP-dependent protein kinase catalytic subunit beta OS=Mus musculus GN=Prkacb
Q8R317	Ubqln1	1.296878713	0.375043562	0.009340158	2.029645758	Ubiquilin-1 OS=Mus musculus GN=Ubqln1 PE=1 SV=1
P15105	Glul	1.135529821	0.183365594	0.009356754	2.028874779	Glutamine synthetase OS=Mus musculus GN=Glul PE=1 SV=6
A2AJA9	Gm996	1.330757176	0.412274346	0.009446523	2.024727991	Uncharacterized protein C9orf172 homolog OS=Mus musculus GN=Gm996 PE=1 SV=1
Q4KMM3	Oxr1	1.143141039	0.193003412	0.009522726	2.021238719	Oxidation resistance protein 1 OS=Mus musculus GN=Oxr1 PE=2 SV=3
P15209-4	Ntrk2	1.263562541	0.337497073	0.010551817	1.97667273	Isoform L10 of BDNF/NT-3 growth factors receptor OS=Mus musculus GN=Ntrk2
Q61207	Psap	0.878309824	-0.187198155	0.010996749	1.958735698	Sulfated glycoprotein 1 OS=Mus musculus GN=Psap PE=1 SV=2
Q76M23	Ppp2r1a	0.966307293	-0.049446045	0.011937898	1.923071211	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform OS=Mus musculus GN=Ppp2r1a PE=1 SV=3
Q35643	Ap1b1	1.087439457	0.120935082	0.012407662	1.90631006	AP-1 complex subunit beta-1 OS=Mus musculus GN=Ap1b1 PE=2 SV=2
O88343	Slc4a4	1.118072663	0.161013951	0.01254611	1.901490893	Electrogenic sodium bicarbonate cotransporter 1 OS=Mus musculus GN=Slc4a4 PE=1 SV=2
P60879	Snap25	1.148865519	0.200209933	0.012888674	1.889791629	Synaptosomal-associated protein 25 OS=Mus musculus GN=Snap25 PE=1 SV=1
Q99K10	Aco2	1.105768973	0.145049997	0.014873664	1.827582728	Aconitase hydratase, mitochondrial OS=Mus musculus GN=Aco2 PE=1 SV=1
Q8CC35-3	Synpo	1.11809146	0.161038206	0.015977309	1.796496364	Isoform 3 of Synaptopodin OS=Mus musculus GN=Synpo
P0DI97	Nrxn1	0.869982503	-0.200941709	0.016136861	1.792180939	Neurexin-1-beta OS=Mus musculus GN=Nrxn1 PE=1 SV=1
P47708	Rph3a	1.110048753	0.150623041	0.016644398	1.778731904	Rabphilin-3A OS=Mus musculus GN=Rph3a PE=1 SV=2
Q8C8R3	Ank2	1.050832737	0.071533052	0.016696027	1.777386855	Ankyrin-2 OS=Mus musculus GN=Ank2 PE=1 SV=2
O35465	Fkbp8	0.884736556	-0.176680167	0.016807371	1.744500218	Peptidyl-prolyl cis-trans isomerase FKBP8 OS=Mus musculus GN=Fkbp8 PE=1 SV=2
Q68ED7	Crtc1	1.281822223	0.358196187	0.016842506	1.775959297	CREB-regulated transcription coactivator 1 OS=Mus musculus GN=Crtc1 PE=2 SV=1
Q80UP3	Dgkz	1.224531957	0.292230424	0.017395571	1.739563117	Glycylglycerol kinase zeta OS=Mus musculus GN=Dgkz PE=1 SV=2
P33173	Kif1a	1.080814931	0.112119509	0.017830141	1.74884523	Kinesin-like protein KIF1A OS=Mus musculus GN=Kif1a PE=1 SV=2
Q9D415-3	Dlgap1	1.181522789	0.240647456	0.018341899	1.736555692	Isoform 3 of Disks large-associated protein 1 OS=Mus musculus GN=Dlgap1
O9WVC2-2	Lynx1	1.072392699	0.102177981	0.018589177	1.730739983	Isoform 2 of Ly-6/neurotoxin-like protein 1 OS=Mus musculus GN=Lynx1
Q6ZPE2	Sbf1	1.090947849	0.125582138	0.018883478	1.72391181	Myotubularin-related protein 5 OS=Mus musculus GN=Sbf1 PE=1 SV=2
Q6N560	Fbxo41	1.195353333	0.257439539			

Bumetanide Group FMRP targets

Accession	Gene	Fold Change (KO vs. WT)	Log2 Fold Change	Students T Test	-Log10 T Test	Description
O4KMM3-4	Oxr1	1.132425323	0.179415916	0.020919692	1.679444712	Isoform 4 of Oxidation resistance protein 1 OS=Mus musculus GN=Oxr1
P17426-2	Ap2a1	1.067354255	0.094039087	0.022107149	1.655467257	Isoform B of AP-2 complex subunit alpha-1 OS=Mus musculus GN=Ap2a1
Q8C8R3-2	Ank2	1.047556493	0.067028048	0.022391226	1.64992213	Isoform 2 of Ankyrin-2 OS=Mus musculus GN=Ank2
P17426	Ap2a1	1.067336158	0.094014625	0.02244902	1.648802619	AP-2 complex subunit alpha-1 OS=Mus musculus GN=Ap2a1 PE=1 SV=1
P46460	Nsf	1.077785053	0.108069484	0.02322648	1.634016602	Vesicle-fusing ATPase OS=Mus musculus GN=Nsf PE=1 SV=2
P27546-3	Map4	0.95278781	-0.06977314	0.023468276	1.629518806	Isoform 3 of Microtubule-associated protein 4 OS=Mus musculus GN=Map4
P27546	Map4	0.95263787	-0.070000193	0.02354702	1.628064041	Microtubule-associated protein 4 OS=Mus musculus GN=Map4 PE=1 SV=3
A2ALS5-4	Rap1gap	1.156184329	0.209371423	0.023955014	1.620603565	Isoform 4 of Rap1 GTPase-activating protein 1 OS=Mus musculus GN=Rap1gap
O88343-2	Slc4a4	1.106724685	0.146296374	0.024219994	1.615825974	Isoform 2 of Electrogenic sodium bicarbonate cotransporter 1 OS=Mus musculus GN=Slc4a4
D3YZU1	Shank1	1.227214349	0.295387257	0.02514443	1.59955821	SH3 and multiple ankyrin repeat domains protein 1 OS=Mus musculus GN=Shank1 PE=1 SV=1
Q8C078	Camkk2	1.117570138	0.160365377	0.025283925	1.597155512	Calcium/calmodulin-dependent protein kinase kinase 2 OS=Mus musculus GN=Camkk2 PE=1 SV=2
P35438	Griin1	1.265173173	0.33933487	0.026241856	1.581005459	Glutamate receptor ionotropic, NMDA 1 OS=Mus musculus GN=Griin1 PE=1 SV=1
Q9R0N7	Syt7	1.132519527	0.179535925	0.027281559	1.564130815	Synaptotagmin-7 OS=Mus musculus GN=Syt7 PE=1 SV=1
Q3TXX4	Slc17a7	1.372261387	0.456555311	0.027787025	1.556157947	Vesicular glutamate transporter 1 OS=Mus musculus GN=Slc17a7 PE=1 SV=2
Q9Z206	Sept5	1.21513648	0.281118361	0.028110339	1.55113392	Septin-5 OS=Mus musculus GN=Sept5 PE=1 SV=2
Q8CHC4	Synj1	1.072339813	0.100762153	0.02850387	1.545096176	Synaptojanin-1 OS=Mus musculus GN=Synj1 PE=1 SV=3
P70663	Sparcl1	0.845560886	-0.242019452	0.028519066	1.544864709	SPARC-like protein 1 OS=Mus musculus GN=Sparcl1 PE=2 SV=3
Q8BNV6	Ncs1	1.298518601	0.376866681	0.029998147	1.522905572	Neuronal calcium sensor 1 OS=Mus musculus GN=Ncs1 PE=2 SV=3
A2ALS5-3	Rap1gap	1.145151206	0.195538105	0.03046749	1.51616333	Isoform 3 of Rap1 GTPase-activating protein 1 OS=Mus musculus GN=Rap1gap
Q62448	Eif4g2	0.914507233	-0.128933515	0.03332771	1.477194526	Eukaryotic translation initiation factor 4 gamma 2 OS=Mus musculus GN=Eif4g2 PE=1 SV=2
Q3V0G7	Garnl3	1.165232317	0.220617619	0.03390304	1.469761359	GTPase-activating Rap/Ran-GAP domain-like protein 3 OS=Mus musculus GN=Garnl3 PE=1 SV=1
P11881-3	Itrp1	1.132747766	0.179826646	0.034211797	1.465824116	Isoform 3 of Inositol 1,4,5-trisphosphate receptor type 1 OS=Mus musculus GN=Itrp1
P60879-2	Snap25	1.139107163	0.187903476	0.035411256	1.450858673	Isoform 2 of Synaptosomal-associated protein 25 OS=Mus musculus GN=Snap25
P63085	Mapk1	0.958179975	-0.061631432	0.03792962	1.421021509	Mitogen-activated protein kinase 1 OS=Mus musculus GN=Mapk1 PE=1 SV=3
P46935	Nedd4	1.27863083	0.354599785	0.038281867	1.417006893	E3 ubiquitin-protein ligase NEDD4 OS=Mus musculus GN=Nedd4 PE=1 SV=3
A2AJU0	Map7d1	1.07698301	0.106995491	0.03889782	1.41007474	MAP7 domain-containing protein 1 OS=Mus musculus GN=Map7d1 PE=1 SV=1
Q6PIC6	Atp1a3	1.074760467	0.104015161	0.03899844	1.408952761	Sodium/potassium-transporting ATPase subunit alpha-3 OS=Mus musculus GN=Atp1a3 PE=1 SV=1
Q80TM9-4	Nisch	1.157878176	0.211483471	0.039363109	1.404910606	Isoform 4 of Nischarin OS=Mus musculus GN=Nisch
Q9CS84-4	Nrxn1	0.897317456	-0.156309617	0.039437943	1.404085742	Isoform 4a of Neurexin-1 OS=Mus musculus GN=Nrxn1
Q6GQ51	Slc25a23	1.121279532	0.165145984	0.039510176	1.403291039	Calcium-binding mitochondrial carrier protein SCAmC-3 OS=Mus musculus GN=Slc25a23 PE=2 SV=1
O88444	Adcy1	0.534711388	-0.903167691	0.039573524	1.402595276	Adenylate cyclase type 1 OS=Mus musculus GN=Adcy1 PE=2 SV=2
Q02053	Uba1	0.938054048	-0.092257046	0.039797857	1.400140312	Ubiquitin-like modifier-activating enzyme 1 OS=Mus musculus GN=Uba1 PE=1 SV=1
Q8BRT1	Clasp2	0.935477211	-0.092255886	0.040873144	1.388561956	ClIP-associating protein 2 OS=Mus musculus GN=Clasp2 PE=1 SV=1
Q9QXL2-3	Kif21a	0.93757555	-0.092993147	0.04106271	1.386552396	Isoform 3 of Kinesin-like protein KIF21A OS=Mus musculus GN=Kif21a
Q9QXL2	Kif21a	0.93757555	-0.092993147	0.04106271	1.386552396	Kinesin-like protein KIF21A OS=Mus musculus GN=Kif21a PE=1 SV=2
Q35954	Pitpnm1	0.755153086	-0.405158955	0.04137169	1.38329674	Membrane-associated phosphatidylinositol transfer protein 1 OS=Mus musculus GN=Fitpnm1 PE=1 SV=1
Q9QW16	Srcin1	1.092081754	0.127080861	0.041436647	1.38261539	SRC kinase signaling inhibitor 1 OS=Mus musculus GN=Srcin1 PE=1 SV=2
Q8VDN2	Atp1a1	1.104030589	0.142780145	0.0415292	1.381646438	Sodium/potassium-transporting ATPase subunit alpha-1 OS=Mus musculus GN=Atp1a1 PE=1 SV=1
Q9QYR6	Map1a	1.045503346	0.064197679	0.045703505	1.340050493	Microtubule-associated protein 1A OS=Mus musculus GN=Map1a PE=1 SV=2
Q9QW16-2	Srcin1	1.088880013	0.122844988	0.045807856	1.339060038	Isoform 2 of SRC kinase signaling inhibitor 1 OS=Mus musculus GN=Srcin1
Q5SQX6	Cyflp2	1.063351557	0.088618648	0.046095685	1.336339729	Cytoplasmic FMR1-interacting protein 2 OS=Mus musculus GN=Cyflp2 PE=1 SV=2
Q9CS84-3	Nrxn1	0.897912186	-0.155353735	0.046338175	1.334061076	Isoform 3a of Neurexin-1 OS=Mus musculus GN=Nrxn1
Q8OU23-3	Snph	1.093679084	0.129189473	0.04892683	1.310452925	Isoform 3 of Syntrophin OS=Mus musculus GN=Snph
B2RUJ5-3	Apba1	1.086387976	0.119539417	0.049197246	1.308059206	Isoform 3 of Amyloid beta A4 precursor protein-binding family A member 1 OS=Mus musculus GN=Apba1
Q6PIE5	Atp1a2	1.085559949	0.118439399	0.049273842	1.307383572	Sodium/potassium-transporting ATPase subunit alpha-2 OS=Mus musculus GN=Atp1a2 PE=1 SV=1