

#ID	P-Value	FDR	log2FC	Regulated
1:1712264 1716478	0.000659727	0.232918694	Inf	up
1:1804419 1815862	0.038544646	0.232918694	#NAME?	down
1:1804419 1817875	0.008220523	0.232918694	Inf	up
1:1804419 1839238	3.97E-05	0.091475138	Inf	up
1:10095461 10105744	0.015866561	0.232918694	Inf	up
1:10291082 10297246	0.005882573	0.232918694	#NAME?	down
1:12001401 12002103	0.037278	0.232918694	3.05602796	up
1:15536475 15536814	0.021604355	0.232918694	Inf	up
1:21002713 21111383	0.047568274	0.232918694	Inf	up
1:23055069 23069151	0.032209314	0.232918694	Inf	up
1:24649971 24651612	0.045775647	0.232918694	Inf	up
1:28048383 28058094	0.02401887	0.232918694	Inf	up
1:28476107 28480604	0.012173763	0.232918694	Inf	up
1:28580560 28581229	0.034063652	0.232918694	Inf	up
1:28987431 28997319	0.04989836	0.232918694	Inf	up
1:29148080 29149226	0.024902481	0.232918694	#NAME?	down
1:30992390 30995220	0.041968881	0.232918694	-1.5286904	down
1:31346640 31348974	0.025806669	0.232918694	Inf	up
1:33294937 33295305	0.023772867	0.232918694	1.89007288	up
1:35392212 35399576	0.012668496	0.232918694	Inf	up
1:35745451 35746992	0.039700765	0.232918694	Inf	up
1:37987573 37987836	0.010981889	0.232918694	#NAME?	down
1:42265115 42323827	0.043835573	0.232918694	#NAME?	down
1:51840226 51840514	0.042052131	0.232918694	Inf	up
1:61109778 61112343	0.047562715	0.232918694	Inf	up
1:61111371 61112343	0.02409574	0.232918694	Inf	up
1:61404104 61406727	0.049515606	0.232918694	Inf	up
1:65364635 65366196	0.033015384	0.232918694	5.7023042	up
1:66958059 66959743	0.021582982	0.232918694	#NAME?	down
1:75732644 75750546	0.024903621	0.232918694	#NAME?	down
1:75745806 75750546	0.014825343	0.232918694	#NAME?	down
1:77916055 77918273	0.001974102	0.232918694	Inf	up
1:88770352 88771879	0.027111395	0.232918694	Inf	up
1:100136882 100137085	0.014847246	0.232918694	#NAME?	down
1:108752257 108760085	0.029196265	0.232918694	Inf	up
1:110891392 110892533	0.000718435	0.232918694	#NAME?	down
1:111147642 111174963	0.004566966	0.232918694	Inf	up
1:112591525 112616895	0.010998361	0.232918694	#NAME?	down
1:112653598 112667145	0.014127249	0.232918694	Inf	up
1:113825142 113834439	0.008764444	0.232918694	Inf	up
1:150226608 150229237	0.024528871	0.232918694	Inf	up
1:151117392 151118139	0.02527943	0.232918694	Inf	up
1:151638888 151668635	0.046794375	0.232918694	Inf	up
1:153811731 153813452	0.018204292	0.232918694	Inf	up
1:155661307 155777820	0.04696687	0.232918694	#NAME?	down
1:155717006 155726019	0.047247375	0.232918694	Inf	up
1:155813634 155814449	0.038216939	0.232918694	Inf	up
1:156320839 156334918	0.02959139	0.232918694	Inf	up
1:160624096 160634897	0.020318886	0.232918694	#NAME?	down
1:171523221 171532961	0.03438895	0.232918694	-4.956657	down

1:172042009	172131288	0.034692356	0.232918694	Inf	up
1:172551512	172579267	0.000765182	0.232918694	Inf	up
1:174272414	174287770	0.046833081	0.232918694	Inf	up
1:174272414	174305127	0.001890568	0.232918694	Inf	up
1:174304986	174371072	0.008664354	0.232918694	#NAME?	down
1:180084018	180087717	0.045333363	0.232918694	#NAME?	down
1:185202654	185222036	0.011862867	0.232918694	Inf	up
1:193203795	193212477	0.007673997	0.232918694	Inf	up
1:205268950	205269884	0.043434283	0.232918694	Inf	up
1:205727700	205729621	0.003237604	0.232918694	#NAME?	down
1:207694353	207740418	0.010993041	0.232918694	Inf	up
1:209830108	209831043	0.00193635	0.232918694	#NAME?	down
1:219193082	219218712	0.045158895	0.232918694	Inf	up
1:220102129	220102777	0.017083108	0.232918694	#NAME?	down
1:220212887	220213979	0.008570858	0.232918694	Inf	up
1:222823884	222835215	0.035052073	0.232918694	Inf	up
1:224267004	224268133	0.048816449	0.232918694	Inf	up
1:224317694	224326464	0.006516432	0.232918694	#NAME?	down
1:224365879	224371423	0.030490816	0.232918694	Inf	up
1:224952670	225007544	0.00860133	0.232918694	#NAME?	down
1:235800320	235801097	0.017447766	0.232918694	#NAME?	down
1:243304713	243330692	0.041720615	0.232918694	#NAME?	down
1:243415702	243426558	0.004757039	0.232918694	Inf	up
1:243637611	243695716	0.003120735	0.232918694	Inf	up
10:263204	263658	0.02789972	0.232918694	Inf	up
10:1056348	1072293	0.027230449	0.232918694	#NAME?	down
10:4830675	4847299	0.030966116	0.232918694	Inf	up
10:4830675	4909606	0.001171049	0.232918694	#NAME?	down
10:4929656	4933330	0.011941029	0.232918694	Inf	up
10:5699525	5699737	0.028874322	0.232918694	Inf	up
10:5956379	5960567	0.048897545	0.232918694	Inf	up
10:11936545	11952249	0.01052685	0.232918694	Inf	up
10:13663453	13670528	0.049061402	0.232918694	Inf	up
10:14928016	14935564	0.025191158	0.232918694	Inf	up
10:15833630	15847943	0.016283299	0.232918694	2.9155279	up
10:17688027	17695241	0.049933857	0.232918694	Inf	up
10:20957731	20961779	0.014240517	0.232918694	#NAME?	down
10:24380869	24384423	0.048948141	0.232918694	#NAME?	down
10:28595733	28608431	0.006738517	0.232918694	Inf	up
10:30026103	30029866	0.000132191	0.160448253	#NAME?	down
10:31355144	31387798	0.011878899	0.232918694	#NAME?	down
10:31355147	31387266	0.018527407	0.232918694	Inf	up
10:31461037	31502509	0.033855869	0.232918694	Inf	up
10:32034690	32037607	0.001993803	0.232918694	Inf	up
10:35013699	35031619	0.009493095	0.232918694	Inf	up
10:43154897	43158931	0.036790044	0.232918694	Inf	up
10:50460673	50519921	0.015220246	0.232918694	Inf	up
10:50519831	50598823	0.004722393	0.232918694	Inf	up
10:68363590	68364113	0.010213164	0.232918694	#NAME?	down
10:68737845	68747566	0.045708856	0.232918694	#NAME?	down
10:74070670	74074903	0.001394798	0.232918694	Inf	up

10:79118915	79162133	0.045472857	0.232918694	Inf	up
10:86443275	86446449	0.041813095	0.232918694	Inf	up
10:86453220	86460496	0.035790287	0.232918694	Inf	up
10:86517571	86518091	0.01392825	0.232918694	Inf	up
10:87508336	87513221	0.042215515	0.232918694	Inf	up
10:87508336	87521169	0.021499731	0.232918694	2.94820224	up
10:89751346	89762835	0.000195611	0.192998461	Inf	up
10:91994535	92008275	0.030408989	0.232918694	#NAME?	down
10:92531748	92537550	0.046098031	0.232918694	Inf	up
10:96544076	96565426	0.000228476	0.210395709	Inf	up
10:96907265	96907747	0.006632945	0.232918694	2.31465782	up
10:96949008	96952196	0.030301905	0.232918694	Inf	up
10:100937402	100944128	0.049872401	0.232918694	Inf	up
10:101672915	101676436	0.030871882	0.232918694	Inf	up
10:102358039	102359435	0.043622821	0.232918694	#NAME?	down
10:118729295	118730410	0.040741065	0.232918694	Inf	up
10:124408542	124412200	0.031700923	0.232918694	Inf	up
10:126970702	127000307	0.026418771	0.232918694	#NAME?	down
10:126996748	127000307	0.026849027	0.232918694	Inf	up
10:131934458	131947791	0.048205255	0.232918694	Inf	up
10:131943968	131945459	0.014423203	0.232918694	Inf	up
11:581492	587464	0.007204218	0.232918694	Inf	up
11:9989497	10002689	0.047250839	0.232918694	Inf	up
11:14771937	14789242	0.031998956	0.232918694	#NAME?	down
11:16183886	16186955	0.034526074	0.232918694	Inf	up
11:17336960	17337534	0.024917074	0.232918694	#NAME?	down
11:20395803	20397721	0.038966402	0.232918694	#NAME?	down
11:28211062	28233585	0.027372609	0.232918694	Inf	up
11:33338757	33341686	0.023129215	0.232918694	Inf	up
11:34957384	34992379	0.020340081	0.232918694	Inf	up
11:47630555	47631087	0.049537485	0.232918694	Inf	up
11:47752916	47754664	0.002751286	0.232918694	Inf	up
11:57152640	57194765	0.03870907	0.232918694	#NAME?	down
11:61366045	61367998	0.016382753	0.232918694	Inf	up
11:68185781	68190152	0.042242568	0.232918694	Inf	up
11:72984088	73083740	0.012221031	0.232918694	Inf	up
11:74810184	74817714	0.033107244	0.232918694	Inf	up
11:76513386	76528466	0.003100963	0.232918694	#NAME?	down
11:77622500	77629899	0.02080883	0.232918694	Inf	up
11:77691159	77693611	0.030984364	0.232918694	Inf	up
11:85974708	85981228	0.026775825	0.232918694	Inf	up
11:86026292	86031611	0.047380617	0.232918694	Inf	up
11:89400017	89402542	0.007946117	0.232918694	Inf	up
11:95812932	95818904	0.030804887	0.232918694	Inf	up
11:108258986	108267342	0.022722611	0.232918694	#NAME?	down
11:114063211	114187038	0.044813441	0.232918694	Inf	up
11:120431771	120437382	0.006905944	0.232918694	Inf	up
11:128768118	128772985	0.000354908	0.232918694	Inf	up
11:128768118	128782023	0.004823176	0.232918694	3.57835484	up
12:829062	829944	0.024281037	0.232918694	2.18430849	up
12:1180540	1190052	0.003287977	0.232918694	#NAME?	down

12:5799507	5854141	0.033218009	0.232918694	Inf	up
12:6655638	6656798	0.009790826	0.232918694	Inf	up
12:8943405	8943910	0.045757154	0.232918694	Inf	up
12:11034782	11121180	0.027622894	0.232918694	#NAME?	down
12:24213343	24249916	0.015578422	0.232918694	Inf	up
12:25079244	25083493	0.044952562	0.232918694	Inf	up
12:28305649	28391411	0.007620056	0.232918694	#NAME?	down
12:31392267	31392696	0.047576437	0.232918694	Inf	up
12:32708153	32713371	0.036059782	0.232918694	Inf	up
12:32713209	32718763	0.02080789	0.232918694	Inf	up
12:47104113	47108164	0.039794913	0.232918694	-2.0106496	down
12:48074324	48074793	0.004903028	0.232918694	#NAME?	down
12:50430495	50454417	0.009949191	0.232918694	Inf	up
12:50780140	50809589	0.003991632	0.232918694	Inf	up
12:50814010	50814439	0.010648468	0.232918694	#NAME?	down
12:51291591	51299714	0.021448533	0.232918694	#NAME?	down
12:53459272	53468832	0.046369455	0.232918694	Inf	up
12:56670275	56673065	0.023155236	0.232918694	#NAME?	down
12:57395749	57398198	0.023645227	0.232918694	#NAME?	down
12:62484170	62501698	0.042923087	0.232918694	#NAME?	down
12:68713865	68714753	0.031991423	0.232918694	Inf	up
12:68715627	68727389	0.041603427	0.232918694	Inf	up
12:79817394	79822190	0.038149432	0.232918694	Inf	up
12:88148288	88176319	0.046074587	0.232918694	Inf	up
12:89459638	89472275	0.023411706	0.232918694	Inf	up
12:89466770	89472275	0.018898805	0.232918694	Inf	up
12:94169153	94186473	0.001175768	0.232918694	#NAME?	down
12:94220016	94227235	0.0094116	0.232918694	#NAME?	down
12:94254787	94282401	0.044904311	0.232918694	Inf	up
12:95152811	95152993	0.032756296	0.232918694	Inf	up
12:95208843	95211267	0.002381434	0.232918694	#NAME?	down
12:101396399	101405981	0.024035517	0.232918694	#NAME?	down
12:101714090	101716812	0.031364573	0.232918694	Inf	up
12:101897863	101901433	0.044580044	0.232918694	#NAME?	down
12:109101902	109103611	0.025998893	0.232918694	#NAME?	down
12:111482787	111486824	0.009308953	0.232918694	Inf	up
12:111485265	111486824	0.04210154	0.232918694	Inf	up
12:111552280	111555919	0.015490551	0.232918694	Inf	up
12:112178931	112179397	0.01577431	0.232918694	Inf	up
12:112477651	112478015	0.041222404	0.232918694	#NAME?	down
12:116236821	116237705	0.012710151	0.232918694	#NAME?	down
12:120510017	120516788	0.00451414	0.232918694	Inf	up
12:122216488	122224644	0.049348408	0.232918694	Inf	up
12:122327947	122328426	0.021652284	0.232918694	#NAME?	down
12:123160781	123203375	0.029196013	0.232918694	Inf	up
12:123194386	123198334	0.047470269	0.232918694	Inf	up
12:124419957	124430781	0.0097332	0.232918694	#NAME?	down
12:131992173	132006302	0.032242992	0.232918694	Inf	up
13:20596150	20615879	0.04959987	0.232918694	Inf	up
13:21167988	21172681	0.028574202	0.232918694	Inf	up
13:21301419	21301618	0.007323437	0.232918694	#NAME?	down

13:21391722	21425678	0.024890373	0.232918694	Inf	up
13:24498116	24501834	0.047424042	0.232918694	Inf	up
13:28260447	28261458	0.003367622	0.232918694	8.95340672	up
13:30231314	30283791	0.048056577	0.232918694	Inf	up
13:32480590	32527532	0.00212861	0.232918694	#NAME?	down
13:32648754	32652007	0.041469559	0.232918694	#NAME?	down
13:37029765	37051583	0.011226716	0.232918694	#NAME?	down
13:37040405	37051583	0.022744646	0.232918694	Inf	up
13:40559509	40560860	0.049220665	0.232918694	Inf	up
13:40940921	40943925	0.04477609	0.232918694	4.90211361	up
13:41252645	41254620	0.039678067	0.232918694	#NAME?	down
13:42159266	42160136	0.019784399	0.232918694	#NAME?	down
13:45516143	45525051	0.004639415	0.232918694	#NAME?	down
13:48256177	48258236	0.034468869	0.232918694	Inf	up
13:48342599	48349023	0.010768793	0.232918694	Inf	up
13:52417992	52427219	0.000376833	0.232918694	Inf	up
13:52658099	52659249	0.038556434	0.232918694	Inf	up
13:100425633	100449305	0.018046231	0.232918694	Inf	up
13:100668579	100670569	0.040966042	0.232918694	Inf	up
13:109560401	109571158	0.046277279	0.232918694	Inf	up
13:112565111	112571114	0.042268489	0.232918694	Inf	up
14:20395450	20395949	0.029501168	0.232918694	#NAME?	down
14:22906195	22913845	0.041203045	0.232918694	Inf	up
14:24211411	24211829	0.033172103	0.232918694	Inf	up
14:37110827	37123342	0.04382294	0.232918694	Inf	up
14:39154211	39159550	0.028913378	0.232918694	Inf	up
14:49723874	49725769	0.000443991	0.232918694	#NAME?	down
14:50741582	50744365	0.04836423	0.232918694	Inf	up
14:54702062	54702580	0.011055574	0.232918694	Inf	up
14:60796217	60818847	0.006413148	0.232918694	#NAME?	down
14:61443111	61457679	0.013376208	0.232918694	#NAME?	down
14:71413948	71529370	0.003283683	0.232918694	#NAME?	down
14:73107826	73109492	0.043308789	0.232918694	Inf	up
14:91797785	91802421	0.019932988	0.232918694	#NAME?	down
14:92070935	92081061	0.002719984	0.232918694	#NAME?	down
14:92093252	92096838	0.025310268	0.232918694	Inf	up
14:92555751	92577477	0.001870129	0.232918694	#NAME?	down
14:92810254	92811754	0.042950866	0.232918694	Inf	up
14:93016676	93076619	0.041913175	0.232918694	#NAME?	down
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14:103008472	103012188	0.0060332	0.232918694	Inf	up
14:103451918	103462461	0.042532086	0.232918694	#NAME?	down
14:103746373	103754244	0.049795379	0.232918694	Inf	up
15:24975358	24977029	0.011413153	0.232918694	Inf	up
15:28292888	28312874	0.031873355	0.232918694	#NAME?	down
15:40985338	40987974	0.03794069	0.232918694	Inf	up
15:41085369	41087682	0.040365671	0.232918694	#NAME?	down
15:42559339	42563857	0.045617856	0.232918694	Inf	up
15:44595259	44596943	0.022754337	0.232918694	Inf	up
15:44626331	44629388	0.043026447	0.232918694	Inf	up
15:49137150	49139653	0.046717739	0.232918694	Inf	up

15:50300789	50309798	0.002491033	0.232918694	Inf	up
15:56394165	56394834	0.005912174	0.232918694	Inf	up
15:57091789	57095163	0.026396538	0.232918694	Inf	up
15:58912563	58919972	0.049651077	0.232918694	Inf	up
15:58913499	58916999	0.034993869	0.232918694	#NAME?	down
15:59671183	59680308	0.024074286	0.232918694	Inf	up
15:62033441	62044255	0.029774304	0.232918694	#NAME?	down
15:63532647	63563008	0.005214643	0.232918694	#NAME?	down
15:63686359	63689699	0.025004857	0.232918694	Inf	up
15:63693964	63694894	0.046064485	0.232918694	Inf	up
15:63774694	63775649	0.034823636	0.232918694	Inf	up
15:64112573	64123546	0.030955531	0.232918694	Inf	up
15:65729072	65756472	0.001880808	0.232918694	#NAME?	down
15:66535933	66546705	0.013138616	0.232918694	Inf	up
15:67231814	67236820	0.040573467	0.232918694	Inf	up
15:72555271	72567177	0.04640373	0.232918694	Inf	up
15:75407055	75414311	0.020211244	0.232918694	Inf	up
15:75854386	75873568	0.002200649	0.232918694	Inf	up
15:75859878	75883424	0.005484027	0.232918694	Inf	up
15:76292431	76295737	0.021321373	0.232918694	Inf	up
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15:78470532	78471924	0.027017635	0.232918694	Inf	up
15:78544869	78545764	0.033063359	0.232918694	Inf	up
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15:90638446	90641199	0.017489723	0.232918694	#NAME?	down
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16:30483827	30484263	0.019005356	0.232918694	-0.9131805	down
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17:46170855	46172232	0.043984515	0.232918694	Inf	up
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4:42503450	42543986	0.022434562	0.232918694	Inf	up
4:48642277	48646017	0.039478166	0.232918694	Inf	up
4:51863437	51899378	0.036535315	0.232918694	#NAME?	down
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4:53425872	53453133	0.025964294	0.232918694	Inf	up
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4:83446835	83448961	0.039756518	0.232918694	Inf	up
4:88419302	88420428	0.008161586	0.232918694	#NAME?	down
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5:37213559	37224740	0.038871763	0.232918694	Inf	up
5:43675511	43677806	0.024359699	0.232918694	2.68028285	up
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5:137692285	137698408	0.047503953	0.232918694	Inf	up
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