

| Category | Term | Count | % | PValue | Genes | List Total | Pop Hits | Pop Total | Fold Enrichment | Bonferroni | Benjamini | FDR |
|------------------|---|-------|-------------|-------------|---|------------|----------|-----------|-----------------|-------------|-------------|-------------|
| GOTERM_MF_DIRECT | GO:1990837~sequence-specific double-stranded DNA binding | 17 | 6.589147287 | 0.001304663 | HES6, DLX2, DMRT1, CDX2, DLX6, ESRRG, DMRT3, ETV4, SIX4, PAX7, HNF4A, SIX3, ALX1, SP9, FOXA3, MNX1, FOXA2 | 229 | 556 | 18770 | 2.506126103 | 0.434024375 | 0.476977489 | 0.476977489 |
| GOTERM_MF_DIRECT | GO:0004435~phosphatidylinositol phospholipase C activity | 4 | 1.550387597 | 0.003741669 | CHRM3, PLCB4, PLCE1, PLCH1 | 229 | 26 | 18770 | 12.61001008 | 0.804935937 | 0.476977489 | 0.476977489 |
| GOTERM_MF_DIRECT | GO:0035255~ionotropic glutamate receptor binding | 4 | 1.550387597 | 0.00417203 | IGSF11, DRD2, CACNG4, SHANK2 | 229 | 27 | 18770 | 12.14297267 | 0.838428908 | 0.476977489 | 0.476977489 |
| GOTERM_MF_DIRECT | GO:0005509~calcium ion binding | 19 | 7.364341085 | 0.00437594 | FBN3, IHH, LRP4, SYT13, CLGN, VIL1, SHH, CAPN9, PLCB4, PCLO, VWI2, CDHR5, PLCH1, PRSS3, CDH16, PCDHAC2, TGM3, PCDHAC1, PLS1 | 229 | 744 | 18770 | 2.093193877 | 0.852229757 | 0.476977489 | 0.476977489 |
| GOTERM_MF_DIRECT | GO:0002162~dystroglycan binding | 3 | 1.162790698 | 0.007516866 | MAP2, AGR2, AGR3 | 229 | 11 | 18770 | 22.35410877 | 0.962736213 | 0.655470696 | 0.655470696 |
| GOTERM_MF_DIRECT | GO:0015250~water channel activity | 3 | 1.162790698 | 0.012142756 | AQP6, AQP5, AQP2 | 229 | 14 | 18770 | 17.56394261 | 0.995139663 | 0.799167946 | 0.799167946 |
| GOTERM_MF_DIRECT | GO:0000981~RNA polymerase II transcription factor activity, sequence-specific DNA binding | 26 | 10.07751938 | 0.012830678 | DLX2, DLX6, HNF4G, DACH1, SIX4, SALL4, HNF4A, SIX3, ALX1, MNX1, HES6, CDX2, DMRT1, DMRT2, FOXJ1, DMRT3, FOXN4, ESRRG, ETV4, MLXIPL, PAX7, ZNF711, SP9, ZBTB8B, FOXA3, FOXA2 | 229 | 1280 | 18770 | 1.664915393 | 0.996412767 | 0.799167946 | 0.799167946 |
| GOTERM_MF_DIRECT | GO:0005216~ion channel activity | 4 | 1.550387597 | 0.016248182 | KCNH2, GABRB2, CACNA1D, HTR3A | 229 | 44 | 18770 | 7.451369591 | 0.999209141 | 0.807322563 | 0.807322563 |
| GOTERM_MF_DIRECT | GO:0008146~sulfotransferase activity | 4 | 1.550387597 | 0.017256012 | CHST9, CHST6, GAL3ST1, CHST4 | 229 | 45 | 18770 | 7.2857836 | 0.999494161 | 0.807322563 | 0.807322563 |
| GOTERM_MF_DIRECT | GO:0003700~transcription factor activity, sequence-specific DNA binding | 14 | 5.426356589 | 0.018516573 | HES6, DLX2, CDX2, DLX6, HNF4G, FOXJ1, FOXN4, ESRRG, ETV4, MLXIPL, PAX7, HNF4A, FOXA3, FOXA2 | 229 | 555 | 18770 | 2.067587238 | 0.999710948 | 0.807322563 | 0.807322563 |
| GOTERM_MF_DIRECT | GO:0031751~D4 dopamine receptor binding | 2 | 0.775193798 | 0.024147175 | CLIC6, PPP1R1B | 229 | 2 | 18770 | 81.9650655 | 0.99976473 | 0.957106208 | 0.957106208 |
| GOTERM_MF_DIRECT | GO:0031750~D3 dopamine receptor binding | 2 | 0.775193798 | 0.036002165 | CLIC6, PPP1R1B | 229 | 3 | 18770 | 54.643377 | 0.999999886 | 1 | 1 |
| GOTERM_MF_DIRECT | GO:0043565~sequence-specific DNA binding | 9 | 3.488372093 | 0.048230864 | DMRT2, HNF4A, HNF4G, ZNF711, ESRRG, FOXN4, ETV4, FOXA3, FOXA2 | 229 | 329 | 18770 | 2.242205439 | 1 | 1 | 1 |
| GOTERM_MF_DIRECT | GO:0003785~actin monomer binding | 3 | 1.162790698 | 0.05114951 | TMSB15A, COBL, PFN2 | 229 | 30 | 18770 | 8.19650655 | 1 | 1 | 1 |
| GOTERM_MF_DIRECT | GO:0031749~D2 dopamine receptor binding | 2 | 0.775193798 | 0.059283687 | CLIC6, PPP1R1B | 229 | 5 | 18770 | 32.7860262 | 1 | 1 | 1 |
| GOTERM_MF_DIRECT | GO:0000978~RNA polymerase II core promoter proximal region sequence-specific DNA binding | 22 | 8.527131783 | 0.061075057 | HES6, DLX2, DMRT1, CDX2, DMRT2, DLX6, HNF4G, FOXJ1, ESRRG, DMRT3, ETV4, MLXIPL, DACH1, SIX4, PAX7, HNF4A, SALL4, SIX3, ZNF711, SP9, FOXA3, FOXA2 | 229 | 1205 | 18770 | 1.496457627 | 1 | 1 | 1 |
| GOTERM_MF_DIRECT | GO:0015293~symporter activity | 4 | 1.550387597 | 0.061203194 | SLC16A9, SLC28A2, SLC6A20, SLC4A4 | 229 | 74 | 18770 | 4.430544081 | 1 | 1 | 1 |
| GOTERM_MF_DIRECT | GO:0001228~transcriptional activator activity, RNA | 11 | 4.263565891 | 0.06166287 | DLX2, DMRT1, SIX4, DMRT2, HNF4A, SIX3, HNF4G, FOXJ1, ESRRG, ALX1, ETV4 | 229 | 471 | 18770 | 1.91425843 | 1 | 1 | 1 |
| GOTERM_MF_DIRECT | GO:0000976~transcription regulatory region sequence-specific DNA binding | 7 | 2.713178295 | 0.068533547 | KCNH2, ERBB4, HNF4A, HMGA2, FOXJ1, FOXA3, FOXA2 | 229 | 236 | 18770 | 2.431167197 | 1 | 1 | 1 |
| GOTERM_MF_DIRECT | GO:0005198~structural molecule activity | 6 | 2.325581395 | 0.076884065 | CLDN10, UPK1B, CLDN3, MAP2, TGM3, PRPH | 229 | 186 | 18770 | 2.644034371 | 1 | 1 | 1 |
| GOTERM_MF_DIRECT | GO:0005337~nucleoside transporter activity | 2 | 0.775193798 | 0.082005345 | SLC29A4, SLC28A2 | 229 | 7 | 18770 | 23.41859014 | 1 | 1 | 1 |
| GOTERM_MF_DIRECT | GO:0005372~water transporter activity | 2 | 0.775193798 | 0.082005345 | SLC5A1, AQP2 | 229 | 7 | 18770 | 23.41859014 | 1 | 1 | 1 |
| GOTERM_MF_DIRECT | GO:0098821~BMP receptor activity | 2 | 0.775193798 | 0.082005345 | SOSTDC1, BMPRI1B | 229 | 7 | 18770 | 23.41859014 | 1 | 1 | 1 |
| GOTERM_MF_DIRECT | GO:0001517~N-acetylglucosamine 6-O-sulfotransferase activity | 2 | 0.775193798 | 0.082005345 | CHST6, CHST4 | 229 | 7 | 18770 | 23.41859014 | 1 | 1 | 1 |
| GOTERM_MF_DIRECT | GO:0031402~sodium ion binding | 2 | 0.775193798 | 0.082005345 | SLC34A2, SCN9A | 229 | 7 | 18770 | 23.41859014 | 1 | 1 | 1 |
| GOTERM_MF_DIRECT | GO:0005113~patched binding | 2 | 0.775193798 | 0.093160425 | SHH, IHH | 229 | 8 | 18770 | 20.49126638 | 1 | 1 | 1 |