

File: ESM_26 (Online Resource 26)

Manuscript Title: Comparative Multidimensional Molecular Analyses of Pediatric Diffuse Intrinsic Pontine Glioma Reveals Distinct Molecular

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Online Resource 26

| Gene | Methylation Probe (Fold Change Subgroup 1 vs. 2) | Gene Exp. | | Protein Exp. | |
|----------|--|-----------|--------|--------------|--------|
| | | 1 | 2 | 1 | 2 |
| ACE | cg02125271 (-5.78); cg02546416 (-1.63); cg06246630 (-2.24E+09); cg07035499 (-2.22); cg10407847 (-15.58); cg24723140 (-2.56); cg26181929 (-1.09); cg26351776 (-13.30) | 29.27 | 3.72 | - | - |
| AGT | cg07737236 (3.53); cg23792952 (1.23) | -0.09 | 2.86 | 4.00 | 5.17 |
| ARID2 | cg10294822 (1.71); cg24373369 (1.20) | -5.86 | 5.58 | - | - |
| C6orf115 | cg00119986 (1.11); cg02017814 (1.63); cg04264070 (1.33); cg06471073 (1.58); cg17373442 (1.10); cg22504528 (4.16) | -4.65 | 3.17 | - | - |
| CARD8 | cg16304412 (1.08) | -3.89 | 6.84 | - | - |
| CDH11 | cg00803816 (1.53); cg01000422 (1.21); cg01133890 (53.90); cg02261765 (3.38); cg02462933 (1.03); cg03101422 (1.15); cg03986395 (1.35); cg04218035 (1.75); cg05211050 (1.21); cg06444730 (2.19); cg08319130 (1.69); cg08487038 (1.75); cg09551938 (3.51); cg10502206 (3.94); cg12081897 (3.12) | -4.74 | 3.34 | - | - |
| CELSR1 | cg00238818 (2.36); cg01390135 (1.18); cg02271707 (1.96); cg03776087 (2.22); cg03909097 (2.88); cg04533485 (1.67); cg06584121 (79.81); cg07260128 (1.40); cg11619740 (1.35); cg12160233 (1.24); cg12349350 (1.30); cg12695615 (6.45); cg12885203 (1.46); cg13928709 (2.15); cg15425276 (2.67); cg15542608 (1.97); cg16000739 (2.37); cg16658862 (1.69); cg17765437 (1.72); cg18065337 (1.55); cg19005991 (15.07); cg20457594 (6.56); cg21500126 (1.52); cg22051399 (1.03); cg22635328 (1.46); cg24662789 (1.78); cg26271840 (1.84); cg27416435 (1.13) | -4.92 | 13.75 | - | - |
| CLPB | cg01770948 (1.63); cg04591469 (1.15); cg12599336 (4.41); cg13210763 (2.43); cg20499825 (1.77); cg21041888 (9.91); cg21534264 (7.76); cg22333733 (1.36); cg25553916 (3.93) | -16.08 | 16.35 | 0.00 | 0.00 |
| COL1A2 | cg04102126 (2.27); cg09128169 (2.25); cg17794320 (1.05); cg22095041 (1.24); cg27393640 (2.18) | -9.68 | 8.34 | 0.33 | -0.63 |
| CP | cg06044794 (1.40); cg06494844 (6.21) | 10.60 | 192.70 | 0.00 | T Only |
| ERBB2 | cg02107110 (-2.75459); cg09004566 (-10.5192) | 0.25 | -0.26 | - | - |
| FGF2 | cg04120680 (1.49); cg04534058 (1.73); cg11908799 (7.54); cg15491950 (3.79); cg15949380 (1.96); cg19378624 (1.11) | -2.36 | 3.24 | - | - |
| GLIPR1 | cg14733680 (3.21) | -6.43 | 29.47 | - | - |
| HIST1H4A | cg04147479 (-1.29); cg12235572 (-2.39); cg12312086 (-168.42); cg19363128 (-1.36); cg22191895 (-1.51) | 21.49 | -2.62 | 1.77 | 2.15 |
| LAMB1 | cg00907218 (1.89); cg02137984 (3.34); cg03183601 (28.45); cg06565620 (1.97); cg09959084 (3.28); cg10154971 (1.18); cg14218343 (1.54); cg16991886 (2.09); cg23497683 (2.02); cg27311590 (1.27) | -3.93 | 48.58 | 0.00 | 0.00 |
| LAMC1 | cg00675156 (65.62); cg04748923 (1.40); cg07145366 (1.59); cg07559303 (1.62); cg08296263 (1.38); cg11570484 (1.31); cg14018140 (1.12); cg14898433 (1.31); cg16318271 (1.78); cg21445527 (1.16); cg23966705 (1.43); cg24016056 (2.83) | -2.71 | 11.39 | 0.00 | T Only |
| LTBP2 | cg00432659 (1.10); cg03644271 (2.54); cg06537005 (1.29); cg07130466 (1.61); cg07888967 (2.58); cg08706873 (3.10); cg09802076 (3.09); cg09841001 (2.28); cg15792653 (2.09); cg16702362 (2.39); cg18254123 (1.30); cg18267532 (8.15); cg21499348 (1.23); cg27209457 (2.26); cg27241044 (46.42) | -33.69 | 36.44 | - | - |
| MYC | cg00170438 (2.16); cg01095406 (1.88); cg03547086 (5.32); cg03651493 (1.14); cg10063233 (4.08); cg11395954 (1.43); cg12689996 (1.23); cg13807386 (316.24); cg16267263 (1.40); cg18081881 (1.29); cg18437365 (2.23); cg21089453 (6.04); cg23489390 (5.67) | -0.30 | 28.72 | - | - |
| NOX4 | cg07285807 (1.29); cg13115952 (2.29) | -6.28 | 18.58 | - | - |
| PCDH18 | cg07076850 (2.15); cg21878500 (1.01) | -2.65 | 7.30 | - | - |
| PDGFC | cg02299328 (4.44); cg04626915 (2.06); cg12168275 (1.49); cg14104036 (6.65); cg16725225 (1.51); cg19936585 (2.88); cg21887097 (1.35) | -3.78 | 5.63 | - | - |
| PRDM1 | cg02211646 (1.08); cg05402891 (1.25); cg20067526 (2.62); cg25273233 (1.22); cg27605701 (1.20) | -0.67 | 25.47 | - | - |
| RNASEL | cg07423602 (3.92); cg11814087 (1.06); cg13918235 (1.02); cg14167385 (7.35E28) | -3.94 | 4.18 | - | - |
| SLPI | cg08038761 (1.16); cg08962767 (1.47); cg13587875 (4.63); cg24683061 (2.06); cg25083484 (3.73) | 4.65 | 15.70 | - | - |
| SRF | cg06219726 (1.50); cg07879070 (3.75); cg08498465 (1.67); cg21330034 (3.66); cg23397013 (1.04) | -3.38 | 2.53 | - | - |
| STMN1 | cg06749854 (6.30); cg26114452 (3.89) | -1.72 | -0.58 | -3.02 | 0.29 |
| TAP2 | cg27044023 (203.89) | -1.91 | 1.99 | - | - |
| TNC | cg14341520 (4.16); cg14395444 (1.52); cg14569778 (1.11); cg22447799 (1.91); cg22460148 (7.15) | -1.01 | 51.80 | 7.38 | 26.97 |
| TNF | cg03287340 (1.37); cg04636307 (7.83); cg04684152 (1.09); cg11208869 (1.02); cg13378400 (1.55); cg22581831 (1.98) | -19.02 | -4.22 | - | - |