

Supplementary Table 1

| Sample (ICH) ID | Anon Case ID | Exome data | MYCN codon 44 covered in exome | MYCN Sanger sequencing data | MYCN Variant detected | Germline variant | MLPA data | Relapse free survival (months) | Relapse (1 = relapse; 0 = no relapse) | Overall survival (months) | Death (1 = dead; 0 = alive) | Reviewed histology (AH = anaplastic) | MYCN status | DYSF status |
|-----------------|--------------|------------|--------------------------------|---------------------------------------|-----------------------|------------------|-----------|--------------------------------|---------------------------------------|---------------------------|-----------------------------|--------------------------------------|-------------|-------------|
| 201 | 2 | y | y | | | | y | 139 | 0 | 139 | 0 | Mixed | normal | normal |
| 205 | 4 | y | y | | | | y | 4 | 1 | 123 | 0 | Mixed | GAIN | normal |
| 213 | 21 | | | y (all coding exons) | | | y | 128 | 0 | 128 | 0 | Stromal | normal | normal |
| 302 | 16 | y | y | | | | y | 2 | 1 | 7 | 1 | Blastemal | normal | normal |
| 325 | 29 | y | y | | | | y | 8 | 1 | 113 | 0 | Regressive | normal | normal |
| 765 | 35 | | | y (all coding exons) | | | y | 117 | 0 | 117 | 0 | Mixed | GAIN | GAIN |
| 1154 | 332 | | | | | | y | 117 | 0 | 117 | 0 | Mixed | normal | normal |
| 1159 | 44 | | | y (all coding exons) | | | y | 113 | 0 | 113 | 0 | Stromal | normal | normal |
| 1493 | 51 | y | y | | | | y | 105 | 0 | 105 | 0 | Mixed | normal | normal |
| 1619 | 33 | | | y (all coding exons) | | | y | 72 | 0 | 72 | 0 | Stromal | normal | normal |
| 1622 | 7 | | | y (all coding exons) | | | y | 122 | 0 | 122 | 0 | Blastemal | normal | normal |
| 1706 | 334 | | | | | | y | 103 | 0 | 103 | 0 | Diffuse AH | GAIN | normal |
| 1752 | 11 | | | y (all coding exons) | | | | 113 | 0 | 113 | 0 | Mixed | | |
| 1761 | 17 | | | y (all coding exons) | | | | 121 | 0 | 121 | 0 | Regressive | | |
| 1765 | 12 | | | y (all coding exons) | | | y | 69 | 1 | 121 | 0 | Stromal | normal | normal |
| 1769 | 14 | | | y (all coding exons) | | | y | 128 | 0 | 128 | 0 | Stromal | GAIN | GAIN |
| 1770 | 13 | y | y | | | | y | 121 | 0 | 121 | 0 | Epithelial | normal | normal |
| 1775 | 24 | | | y (all coding exons) | | | y | 107 | 0 | 107 | 0 | Regressive | normal | normal |
| 1779 | 45 | y | y | | | | y | 100 | 0 | 100 | 0 | Focal AH | normal | normal |
| 1783 | 28 | | | y (all coding exons) | | | y | 105 | 0 | 105 | 0 | Regressive | normal | normal |
| 1784 | 34 | | | y (all coding exons) | | | y | 59 | 0 | 59 | 0 | Epithelial | normal | normal |
| 1785 | 22 | | | y (all coding exons) | | | y | 106 | 0 | 106 | 0 | Mixed | normal | normal |
| 2219 | 68 | | | y (all coding exons) | | | y | 11 | 1 | 31 | 1 | Mixed | normal | normal |
| 2220 | 65 | | | y (all coding exons) | | | y | 94 | 0 | 94 | 0 | Diffuse AH | normal | normal |
| 2261 | 23 | | | y (all coding exons) | | | y | 8 | 1 | 114 | 0 | Regressive | normal | normal |
| 2377 | 26 | | | y (all coding exons) | | | y | 125 | 0 | 125 | 0 | Regressive | normal | normal |
| 2379 | 20 | | | y (all coding exons) | | | | 118 | 0 | 118 | 0 | Regressive | | |
| 2382 | 5 | | | y (all coding exons) | | | y | 125 | 0 | 125 | 0 | Mixed | normal | normal |
| 2408 | 77 | y | y | | | | y | 4 | 1 | 7 | 1 | Stromal | GAIN | normal |
| 2409 | 76 | | | y (all coding exons) | | | y | 94 | 0 | 94 | 0 | Stromal | normal | normal |
| 2557 | 83 | | | y (all coding exons) | | | y | 9 | 1 | 11 | 1 | Diffuse AH | normal | normal |
| 2558 | 75 | | | y (all coding exons) | | | y | 81 | 0 | 81 | 0 | Stromal | normal | normal |
| 2560 | 86 | y | y | y (to confirm variant found in exome) | P44L | n | y | 98 | 0 | 98 | 0 | Focal AH | normal | normal |
| 2594 | 333 | | | | | | y | 10 | 1 | 94 | 0 | Epithelial | normal | normal |
| 2649 | 341 | | | | | | y | 120 | 0 | 120 | 0 | Mixed | normal | normal |
| 2652 | 31 | | | y (all coding exons) | | | y | 111 | 0 | 111 | 0 | Mixed | normal | normal |
| 2655 | 48 | | | y (all coding exons) | | | | 105 | 0 | 105 | 0 | Regressive | | |
| 2663 | 3 | | | y (all coding exons) | | | y | 116 | 0 | 116 | 0 | Stromal | normal | normal |
| 2664 | 344 | | | | | | y | 106 | 0 | 106 | 0 | Mixed | normal | normal |
| 2665 | 30 | | | y (all coding exons) | | | y | 9 | 1 | 96 | 0 | Epithelial | normal | normal |
| 2670 | 52 | | | y (all coding exons) | | | | 91 | 0 | 91 | 0 | Stromal | | |
| 2714 | 37 | y | y | | | | y | 121 | 0 | 121 | 0 | Mixed | normal | normal |
| 2716 | 10 | | | y (all coding exons) | | | y | 26 | 1 | 42 | 1 | Blastemal | normal | normal |
| 2717 | 59 | y | y | | | | y | 90 | 0 | 90 | 0 | Blastemal | normal | normal |
| 2720 | 55 | y | y | | | | y | 101 | 0 | 101 | 0 | Blastemal | normal | normal |
| 2732 | 95 | | | y (all coding exons) | | | y | 87 | 0 | 87 | 0 | Regressive | GAIN | normal |
| 2733 | 93 | | | y (all coding exons) | | | y | 96 | 0 | 96 | 0 | Mixed | normal | normal |
| 2734 | 91 | | | y (all coding exons) | | | | 95 | 0 | 95 | 0 | Regressive | | |
| 2964 | 74 | | | y (all coding exons) | | | y | 12 | 0 | 12 | 0 | Mixed | normal | normal |
| 2967 | 78 | | | y (all coding exons) | | | | 5 | 1 | 6 | 1 | Diffuse AH | | |
| 2969 | 89 | y | y | | | | y | 9 | 1 | 12 | 1 | Diffuse AH | GAIN | normal |
| 2970 | 338 | | | | | | y | 96 | 0 | 96 | 0 | Regressive | normal | normal |
| 2987 | 82 | | | y (all coding exons) | | | y | 96 | 0 | 96 | 0 | Regressive | normal | normal |
| 2990 | 98 | y | y | | | | y | 61 | 1 | 87 | 0 | Epithelial | normal | normal |
| 2994 | 96 | | | y (all coding exons) | | | y | 88 | 0 | 88 | 0 | Regressive | normal | normal |
| 3010 | 66 | | | y (all coding exons) | | | y | 104 | 0 | 104 | 0 | Stromal | normal | normal |
| 3020 | 79 | | | y (all coding exons) | | | y | 5 | 1 | 7 | 1 | Blastemal | GAIN | normal |
| 3133 | 8 | | | y (all coding exons) | | | y | 66 | 0 | 66 | 0 | Diffuse AH | normal | normal |
| 3136 | 15 | | | y (all coding exons) | R285W | y | y | 102 | 0 | 102 | 0 | Stromal | normal | normal |
| 3140 | 25 | y | y | | | | y | 97 | 0 | 97 | 0 | Stromal | normal | normal |
| 3141 | 36 | y | y | | | | y | 111 | 0 | 111 | 0 | Stromal | normal | normal |
| 3142 | 39 | y | y | | | | y | 113 | 0 | 113 | 0 | Stromal | normal | normal |
| 3143 | 40 | y | n | | | | y | 105 | 0 | 105 | 0 | Diffuse AH | GAIN | GAIN |
| 3144 | 41 | | | y (all coding exons) | | | y | 108 | 0 | 108 | 0 | Diffuse AH | normal | normal |

| | | | | | | | | | | | | | | |
|------|-----|---|---|--|------|-----|---|-----|---|-----|---|------------|--------|--------|
| 3145 | 43 | y | y | | | | y | 18 | 1 | 19 | 1 | Diffuse AH | normal | normal |
| 3146 | 47 | | | y (all coding exons) | | | y | 86 | 0 | 86 | 0 | Regressive | normal | normal |
| 3147 | 54 | y | y | | | | y | 97 | 0 | 97 | 0 | Epithelial | normal | normal |
| 3148 | 72 | y | y | | | | y | 38 | 1 | 93 | 0 | Mixed | normal | normal |
| 3150 | 340 | | | | | | y | 78 | 0 | 78 | 0 | Regressive | normal | normal |
| 3152 | 97 | | | y (all coding exons) | | | | 71 | 0 | 71 | 0 | Stromal | | |
| 3156 | 19 | | | y (all coding exons) | | | y | 94 | 0 | 94 | 0 | Regressive | normal | normal |
| 3160 | 38 | | | y (all coding exons) | | | y | 73 | 0 | 73 | 0 | Stromal | normal | normal |
| 3162 | 90 | | | y (all coding exons) | | | y | 11 | 1 | 57 | 0 | Stromal | normal | normal |
| 3166 | 94 | y | y | | | | | 65 | 0 | 65 | 0 | Stromal | | |
| 3201 | 336 | | | | | | y | 99 | 0 | 99 | 0 | Regressive | normal | normal |
| 3477 | 108 | y | y | | | | y | 84 | 0 | 84 | 0 | Diffuse AH | GAIN | normal |
| 3738 | 70 | | | y (all coding exons) | | | y | 70 | 0 | 70 | 0 | Regressive | normal | normal |
| 3745 | 335 | | | | | | y | 97 | 0 | 97 | 0 | Stromal | normal | normal |
| 3747 | 46 | y | y | | | | | 108 | 0 | 108 | 0 | Mixed | | |
| 3750 | 6 | | | y (NB: 2nd coding exon incompletely covered) | | | y | 129 | 0 | 129 | 0 | Mixed | normal | normal |
| 3751 | 339 | | | | | | y | 87 | 0 | 87 | 0 | Mixed | normal | normal |
| 3863 | 107 | y | y | y (to confirm variant found in exome) | P44L | n | | 52 | 1 | 88 | 0 | Regressive | | |
| 3871 | 100 | y | y | | | | y | 90 | 0 | 90 | 0 | Focal AH | normal | normal |
| 3886 | 102 | | | y (all coding exons) | | | y | 11 | 1 | 20 | 1 | Epithelial | normal | normal |
| 4081 | 27 | | | | | | y | 22 | 1 | 125 | 0 | Mixed | normal | normal |
| 4083 | 27 | y | y | | | | | 22 | 1 | 125 | 0 | Mixed | | |
| 4092 | 67 | y | y | | | | y | 74 | 1 | 101 | 0 | Regressive | normal | normal |
| 4212 | 117 | | | y (all coding exons) | | | | 66 | 0 | 66 | 0 | Regressive | | |
| 4624 | 124 | | | y (all coding exons) | | | y | 69 | 0 | 69 | 0 | Stromal | normal | normal |
| 4632 | 126 | y | y | | | | | 40 | 0 | 40 | 0 | Stromal | | |
| 4644 | 71 | | | y (all coding exons) | | | y | | | 3 | 1 | Mixed | GAIN | normal |
| 4646 | 85 | | | y (all coding exons) | | | y | 98 | 0 | 98 | 0 | Stromal | normal | normal |
| 4648 | 88 | | | y (all coding exons) | | | y | 93 | 0 | 93 | 0 | Regressive | normal | normal |
| 4667 | 92 | | | y (all coding exons) | | | y | 6 | 1 | 87 | 0 | Diffuse AH | normal | normal |
| 4671 | 112 | y | y | | | | y | 73 | 0 | 73 | 0 | Focal AH | normal | normal |
| 4674 | 115 | y | y | | | | y | 75 | 0 | 75 | 0 | Blastemal | normal | normal |
| 4681 | 128 | | | y (all coding exons) | | | y | 61 | 0 | 61 | 0 | Mixed | GAIN | GAIN |
| 4686 | 53 | | | y (all coding exons) | | | y | 105 | 0 | 105 | 0 | Epithelial | normal | normal |
| 4692 | 113 | | | y (all coding exons) | S76N | N/A | | 74 | 0 | 74 | 0 | Regressive | | |
| 4706 | 106 | y | y | | | | | 38 | 1 | 80 | 0 | Regressive | | |
| 4709 | 110 | y | n | | | | y | 85 | 0 | 85 | 0 | Epithelial | normal | normal |
| 4714 | 337 | | | | | | y | 92 | 0 | 92 | 0 | Stromal | normal | normal |
| 4718 | 121 | y | y | | | | y | 11 | 1 | 27 | 1 | Diffuse AH | GAIN | normal |
| 4721 | 60 | y | y | | | | | 9 | 1 | 105 | 0 | Mixed | | |
| 4722 | 60 | | | | | | y | 9 | 1 | 105 | 0 | Mixed | normal | normal |
| 4733 | 104 | | | y (all coding exons) | | | y | 70 | 0 | 70 | 0 | Mixed | normal | normal |
| 4735 | 114 | y | y | | | | y | 10 | 1 | 53 | 0 | Epithelial | normal | normal |
| 4737 | 116 | | | y (all coding exons) | | | y | 54 | 0 | 54 | 0 | Regressive | normal | normal |
| 4759 | 343 | | | | | | y | 122 | 0 | 122 | 0 | Epithelial | normal | normal |
| 4765 | 99 | | | y (all coding exons) | | | y | 48 | 0 | 48 | 0 | Epithelial | normal | normal |
| 4773 | 131 | | | y (all coding exons) | | | y | 69 | 0 | 69 | 0 | Mixed | normal | normal |
| 4778 | 61 | | | y (all coding exons) | | | y | 88 | 0 | 88 | 0 | Mixed | normal | normal |
| 4783 | 127 | | | y (all coding exons) | | | y | 66 | 0 | 66 | 0 | Stromal | normal | normal |
| 4788 | 81 | | | y (all coding exons) | P44L | n | | 86 | 0 | 86 | 0 | Regressive | | |
| 4802 | 342 | | | | | | y | 80 | 0 | 80 | 0 | Blastemal | normal | normal |
| 4807 | 120 | | | y (all coding exons) | | | y | 67 | 0 | 67 | 0 | Mixed | normal | normal |
| 4897 | 132 | y | y | | | | y | 28 | 0 | 28 | 0 | Stromal | normal | normal |
| 4912 | 103 | | | y (all coding exons) | | | y | 15 | 1 | 25 | 1 | Diffuse AH | normal | normal |
| 4914 | 105 | | | y (all coding exons) | | | | 79 | 0 | 79 | 0 | Regressive | | |
| 4918 | 111 | y | y | | | | | 88 | 0 | 88 | 0 | Mixed | | |
| 4928 | 119 | | | y (all coding exons) | | | | 69 | 0 | 69 | 0 | Mixed | | |
| 4934 | 123 | | | y (all coding exons) | | | y | 70 | 0 | 70 | 0 | Mixed | normal | normal |
| 4950 | 135 | | | y (all coding exons) | | | | 62 | 0 | 62 | 0 | Regressive | | |
| 4956 | 136 | | | y (all coding exons) | P44L | n | | 55 | 0 | 55 | 0 | Regressive | | |
| 4968 | 137 | | | y (all coding exons) | | | y | 62 | 0 | 62 | 0 | Regressive | normal | normal |
| 5249 | 73 | | | y (all coding exons) | | | | 19 | 1 | 98 | 0 | Regressive | | |
| 5252 | 84 | | | y (all coding exons) | | | | 15 | 1 | 26 | 1 | Stromal | | |
| 5254 | 87 | | | y (all coding exons) | | | y | 62 | 1 | 100 | 0 | Mixed | normal | normal |
| 5258 | 101 | | | y (all coding exons) | | | y | 83 | 0 | 83 | 0 | Mixed | normal | normal |
| 5260 | 109 | | | y (all coding exons) | | | | 81 | 0 | 81 | 0 | Stromal | | |
| 5666 | 69 | y | n | | | | y | 12 | 1 | 32 | 1 | Diffuse AH | normal | normal |
| 6601 | 141 | | | y (all coding exons) | | | | 44 | 0 | 44 | 0 | Mixed | | |

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|------|-----|---|----------------------|-------|---|---|-----|---|-----|---|------------|--------|--------|
| 6603 | 141 | | | | | y | 44 | 0 | 44 | 0 | Mixed | normal | normal |
| 6613 | 144 | | y (all coding exons) | P44L | n | | 42 | 0 | 42 | 0 | Mixed | | |
| 6614 | 144 | | | | | y | 42 | 0 | 42 | 0 | Mixed | GAIN | normal |
| 6993 | 147 | y | y | | | y | 0 | 1 | 54 | 0 | Stromal | normal | normal |
| 7000 | 153 | | y (all coding exons) | | | | 44 | 0 | 44 | 0 | Diffuse AH | | |
| 7422 | 138 | | y (all coding exons) | | | | 64 | 0 | 64 | 0 | Regressive | | |
| 7426 | 63 | y | y | | | y | 8 | 1 | 97 | 0 | Regressive | normal | normal |
| 7432 | 58 | | y (all coding exons) | | | | 97 | 0 | 97 | 0 | Epithelial | | |
| 7434 | 56 | | y (all coding exons) | | | y | 102 | 0 | 102 | 0 | Regressive | normal | normal |
| 7436 | 9 | | y (all coding exons) | | | y | 131 | 0 | 131 | 0 | Mixed | normal | normal |
| 7462 | 182 | | y (all coding exons) | | | y | 94 | 0 | 94 | 0 | Mixed | normal | normal |
| 7464 | 183 | | y (all coding exons) | | | y | 99 | 0 | 99 | 0 | Mixed | GAIN | normal |
| 7478 | 184 | | y (all coding exons) | | | y | 112 | 0 | 112 | 0 | Blastemal | normal | normal |
| 7482 | 185 | | y (all coding exons) | | | y | 7 | 1 | 87 | 0 | Regressive | GAIN | GAIN |
| 7484 | 186 | | y (all coding exons) | | | y | 86 | 0 | 86 | 0 | Mixed | normal | normal |
| 7488 | 187 | | y (all coding exons) | | | y | 55 | 0 | 55 | 0 | Stromal | normal | normal |
| 7490 | 188 | | y (all coding exons) | | | y | 85 | 0 | 85 | 0 | Mixed | GAIN | normal |
| 7492 | 189 | | y (all coding exons) | | | y | 88 | 0 | 88 | 0 | Regressive | normal | normal |
| 7498 | 190 | | y (all coding exons) | | | y | 58 | 0 | 58 | 0 | Mixed | normal | normal |
| 7502 | 191 | | y (all coding exons) | | | | 57 | 0 | 57 | 0 | Stromal | | |
| 7506 | 192 | | y (all coding exons) | | | y | 39 | 0 | 39 | 0 | Mixed | normal | normal |
| 7512 | 195 | | y (all coding exons) | A158V | y | y | 64 | 0 | 64 | 0 | Stromal | GAIN | GAIN |
| 7514 | 194 | | y (all coding exons) | | | y | 71 | 0 | 17 | 1 | Mixed | normal | normal |
| 7533 | 196 | | y (all coding exons) | | | y | 64 | 0 | 64 | 0 | Epithelial | normal | normal |
| 7537 | 197 | | y (all coding exons) | | | y | 25 | 0 | 25 | 0 | Diffuse AH | normal | normal |
| 7539 | 200 | | y (all coding exons) | | | y | 12 | 1 | 48 | 1 | Diffuse AH | GAIN | GAIN |
| 7541 | 198 | | y (all coding exons) | | | y | 7 | 1 | 26 | 1 | Regressive | normal | normal |
| 7545 | 199 | | y (all coding exons) | | | y | 69 | 0 | 69 | 0 | Epithelial | normal | normal |
| 7552 | 201 | | y (all coding exons) | | | y | 47 | 0 | 47 | 0 | Stromal | normal | normal |
| 7555 | 202 | | y (all coding exons) | | | y | 59 | 0 | 59 | 0 | Stromal | normal | normal |
| 7561 | 206 | | y (all coding exons) | | | y | 51 | 0 | 51 | 0 | Regressive | normal | normal |
| 7563 | 204 | | y (all coding exons) | | | y | 53 | 0 | 53 | 0 | Stromal | normal | normal |
| 7567 | 207 | | y (all coding exons) | | | | 1 | 1 | 9 | 1 | Diffuse AH | | |
| 7570 | 209 | | y (all coding exons) | | | y | 45 | 0 | 45 | 0 | Regressive | normal | normal |
| 7574 | 212 | | y (all coding exons) | | | y | 39 | 0 | 39 | 0 | Diffuse AH | normal | normal |
| 7578 | 215 | | y (all coding exons) | | | y | 19 | 1 | 31 | 1 | Blastemal | GAIN | normal |
| 7582 | 211 | | y (all coding exons) | | | | 17 | 1 | 19 | 1 | Diffuse AH | | |
| 7584 | 218 | | y (all coding exons) | | | y | 35 | 0 | 35 | 0 | Mixed | normal | normal |
| 7595 | 203 | | y (all coding exons) | | | y | 11 | 0 | 11 | 1 | Diffuse AH | normal | normal |
| 7597 | 205 | | y (all coding exons) | | | | 39 | 0 | 39 | 0 | Mixed | | |
| 7601 | 193 | | y (all coding exons) | | | y | 10 | 0 | 10 | 0 | Stromal | normal | normal |
| 7605 | 208 | | y (all coding exons) | | | | 33 | 0 | 33 | 0 | Mixed | | |
| 7609 | 210 | | y (all coding exons) | | | | 31 | 0 | 31 | 0 | N/A | | |
| 7613 | 216 | | y (all coding exons) | | | y | 23 | 0 | 23 | 0 | Mixed | normal | normal |
| 7615 | 213 | | y (all coding exons) | | | y | 29 | 0 | 29 | 0 | Mixed | normal | normal |
| 7617 | 214 | | y (all coding exons) | | | y | 4 | 1 | 12 | 1 | Diffuse AH | normal | normal |
| 7621 | 219 | | y (all coding exons) | | | | 16 | 0 | 16 | 0 | Mixed | | |
| 7623 | 217 | | y (all coding exons) | | | y | 20 | 0 | 20 | 0 | Stromal | normal | normal |
| 7639 | 309 | | | | | y | 129 | 0 | 129 | 0 | Regressive | normal | normal |
| 7640 | 312 | | | | | y | 121 | 0 | 121 | 0 | Mixed | normal | normal |
| 7642 | 310 | | | | | y | 86 | 0 | 86 | 0 | Mixed | normal | normal |
| 7643 | 311 | | | | | y | 72 | 0 | 72 | 0 | Blastemal | normal | normal |
| 7645 | 313 | | | | | y | 109 | 0 | 109 | 0 | Stromal | normal | normal |
| 7650 | 314 | | | | | y | 164 | 0 | 164 | 0 | Blastemal | normal | normal |
| 7655 | 316 | | | | | y | 108 | 0 | 108 | 0 | Mixed | normal | normal |
| 7660 | 315 | | | | | y | 102 | 0 | 102 | 0 | Diffuse AH | normal | normal |
| 7662 | 308 | | | | | y | 5 | 1 | 11 | 1 | Blastemal | GAIN | normal |
| 7674 | 317 | | | | | y | 150 | 0 | 150 | 0 | Regressive | normal | normal |
| 7678 | 221 | | | | | y | 69 | 0 | 69 | 0 | Mixed | normal | normal |
| 7679 | 318 | | | | | y | 134 | 0 | 134 | 0 | Mixed | normal | normal |
| 7680 | 220 | | | | | y | 62 | 0 | 62 | 0 | Epithelial | normal | normal |
| 7682 | 222 | | | | | y | 139 | 0 | 139 | 0 | Blastemal | normal | normal |
| 7683 | 223 | | | | | y | 105 | 0 | 105 | 0 | Regressive | normal | normal |
| 7684 | 224 | | | | | y | 83 | 0 | 83 | 0 | Mixed | normal | normal |
| 7691 | 225 | | | | | y | 126 | 0 | 126 | 0 | Regressive | normal | normal |
| 7693 | 226 | | | | | y | 122 | 0 | 122 | 0 | Mixed | normal | normal |
| 7698 | 227 | | | | | y | 41 | 1 | 126 | 0 | Focal AH | normal | normal |
| 7708 | 228 | | | | | y | 101 | 0 | 101 | 0 | Mixed | GAIN | GAIN |
| 7725 | 230 | | | | | y | 9 | 1 | 105 | 0 | Regressive | normal | normal |
| 7726 | 229 | | | | | y | 70 | 0 | 70 | 0 | Regressive | normal | normal |
| 7729 | 231 | | | | | y | 61 | 0 | 61 | 0 | Regressive | GAIN | normal |
| 7854 | 232 | | | | | y | 82 | 0 | 82 | 0 | Mixed | GAIN | normal |

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|------|-----|--|--|--|--|---|----|---|----|---|------------|--------|--------|
| 7893 | 233 | | | | | y | 88 | 0 | 88 | 0 | Stromal | GAIN | normal |
| 7927 | 234 | | | | | y | 80 | 0 | 80 | 0 | Stromal | normal | normal |
| 7935 | 235 | | | | | y | 69 | 0 | 69 | 0 | Regressive | GAIN | normal |
| 7941 | 236 | | | | | y | 11 | 0 | 11 | 0 | Stromal | normal | normal |
| 7952 | 237 | | | | | y | 74 | 0 | 74 | 0 | Regressive | normal | normal |
| 8011 | 238 | | | | | y | 62 | 0 | 62 | 0 | Regressive | LOSS | LOSS |
| 8014 | 239 | | | | | y | 61 | 0 | 61 | 0 | Stromal | normal | normal |
| 8016 | 240 | | | | | y | 62 | 0 | 62 | 0 | Blastemal | normal | normal |
| 8024 | 242 | | | | | y | 58 | 0 | 58 | 0 | Regressive | normal | normal |
| 8025 | 241 | | | | | y | 62 | 0 | 62 | 0 | Regressive | normal | normal |
| 8030 | 243 | | | | | y | 62 | 0 | 62 | 0 | Mixed | normal | normal |
| 8043 | 244 | | | | | y | 60 | 0 | 60 | 0 | Stromal | normal | normal |
| 8052 | 245 | | | | | y | 58 | 0 | 58 | 0 | Stromal | normal | normal |
| 8066 | 246 | | | | | y | 47 | 0 | 47 | 0 | Mixed | normal | normal |
| 8067 | 247 | | | | | y | 43 | 0 | 43 | 0 | Stromal | normal | normal |
| 8075 | 249 | | | | | y | 58 | 0 | 58 | 0 | Mixed | normal | normal |
| 8077 | 250 | | | | | y | 55 | 0 | 55 | 0 | Stromal | normal | normal |
| 8094 | 248 | | | | | y | 50 | 0 | 50 | 0 | Stromal | normal | normal |
| 8099 | 251 | | | | | y | 53 | 0 | 53 | 0 | Stromal | normal | normal |
| 8101 | 252 | | | | | y | 55 | 0 | 55 | 0 | Regressive | GAIN | normal |
| 8102 | 253 | | | | | y | 52 | 0 | 52 | 0 | Stromal | normal | normal |
| 8109 | 254 | | | | | y | 50 | 0 | 50 | 0 | Mixed | normal | LOSS |
| 8112 | 256 | | | | | y | 37 | 0 | 37 | 0 | Mixed | normal | LOSS |
| 8113 | 255 | | | | | y | 6 | 1 | 29 | 0 | Regressive | normal | normal |
| 8122 | 258 | | | | | y | 49 | 0 | 49 | 0 | Regressive | normal | normal |
| 8125 | 259 | | | | | y | 28 | 0 | 28 | 0 | Regressive | normal | LOSS |
| 8127 | 257 | | | | | y | 52 | 0 | 52 | 0 | Blastemal | normal | normal |
| 8128 | 260 | | | | | y | 45 | 0 | 45 | 0 | Mixed | normal | LOSS |
| 8143 | 261 | | | | | y | 26 | 0 | 26 | 0 | Regressive | normal | normal |
| 8146 | 262 | | | | | y | 45 | 0 | 45 | 0 | Mixed | normal | normal |
| 8157 | 263 | | | | | y | 46 | 0 | 46 | 0 | Regressive | normal | normal |
| 8162 | 266 | | | | | y | 43 | 0 | 43 | 0 | Mixed | normal | normal |
| 8163 | 264 | | | | | y | 41 | 0 | 41 | 0 | Stromal | normal | LOSS |
| 8170 | 265 | | | | | y | 43 | 0 | 43 | 0 | Regressive | normal | LOSS |
| 8180 | 267 | | | | | y | 41 | 0 | 41 | 0 | Mixed | normal | LOSS |
| 8187 | 268 | | | | | y | 29 | 0 | 29 | 0 | Stromal | normal | normal |
| 8197 | 270 | | | | | y | 37 | 0 | 37 | 0 | Mixed | normal | normal |
| 8200 | 269 | | | | | y | 38 | 0 | 38 | 0 | Regressive | normal | normal |
| 8209 | 272 | | | | | y | 28 | 0 | 28 | 0 | Regressive | normal | normal |
| 8217 | 273 | | | | | y | 36 | 0 | 36 | 0 | Regressive | GAIN | normal |
| 8222 | 274 | | | | | y | 32 | 0 | 32 | 0 | Regressive | normal | normal |
| 8225 | 275 | | | | | y | 15 | 0 | 15 | 0 | Regressive | normal | normal |
| 8232 | 279 | | | | | y | 15 | 0 | 15 | 0 | Mixed | normal | LOSS |
| 8233 | 276 | | | | | y | 20 | 0 | 20 | 0 | Mixed | normal | normal |
| 8236 | 277 | | | | | y | 18 | 0 | 18 | 0 | Stromal | normal | normal |
| 8243 | 278 | | | | | y | 30 | 0 | 30 | 0 | Regressive | normal | normal |
| 8248 | 280 | | | | | y | 30 | 0 | 30 | 0 | Regressive | normal | normal |
| 8249 | 281 | | | | | y | 30 | 0 | 30 | 0 | Mixed | normal | normal |
| 8252 | 282 | | | | | y | 2 | 0 | 2 | 0 | Regressive | normal | normal |
| 8254 | 283 | | | | | y | 18 | 0 | 18 | 0 | Regressive | normal | normal |
| 8255 | 287 | | | | | y | 27 | 0 | 27 | 0 | Mixed | GAIN | normal |
| 8257 | 285 | | | | | y | 26 | 0 | 26 | 0 | Regressive | normal | normal |
| 8267 | 291 | | | | | y | 26 | 0 | 26 | 0 | Regressive | normal | normal |
| 8268 | 284 | | | | | y | 26 | 0 | 26 | 0 | Stromal | normal | LOSS |
| 8269 | 288 | | | | | y | 26 | 1 | 28 | 0 | Blastemal | normal | LOSS |
| 8271 | 289 | | | | | y | 3 | 1 | 25 | 0 | Regressive | GAIN | LOSS |
| 8272 | 293 | | | | | y | 26 | 0 | 26 | 0 | Mixed | normal | normal |
| 8274 | 292 | | | | | y | 27 | 0 | 27 | 0 | Regressive | normal | normal |
| 8277 | 286 | | | | | y | 27 | 0 | 27 | 0 | Stromal | normal | normal |
| 8278 | 271 | | | | | y | | | | | Regressive | normal | normal |
| 8281 | 294 | | | | | y | 24 | 0 | 24 | 0 | Stromal | normal | normal |
| 8282 | 296 | | | | | y | 23 | 0 | 23 | 0 | Mixed | normal | normal |
| 8286 | 295 | | | | | y | 24 | 0 | 24 | 0 | Blastemal | normal | normal |
| 8287 | 290 | | | | | y | 25 | 0 | 25 | 0 | Mixed | normal | normal |
| 8293 | 297 | | | | | y | 23 | 0 | 23 | 0 | Blastemal | normal | normal |
| 8300 | 298 | | | | | y | 17 | 0 | 17 | 0 | Mixed | normal | normal |
| 8304 | 300 | | | | | y | 7 | 1 | 19 | 0 | Mixed | normal | normal |
| 8305 | 299 | | | | | y | 18 | 0 | 18 | 0 | Regressive | normal | normal |
| 8307 | 301 | | | | | y | 17 | 0 | 17 | 0 | Mixed | normal | normal |
| 8308 | 304 | | | | | y | 18 | 0 | 18 | 0 | Mixed | normal | LOSS |
| 8310 | 303 | | | | | y | 10 | 1 | 17 | 0 | Diffuse AH | normal | LOSS |
| 8311 | 305 | | | | | y | 8 | 1 | 19 | 0 | Mixed | normal | normal |

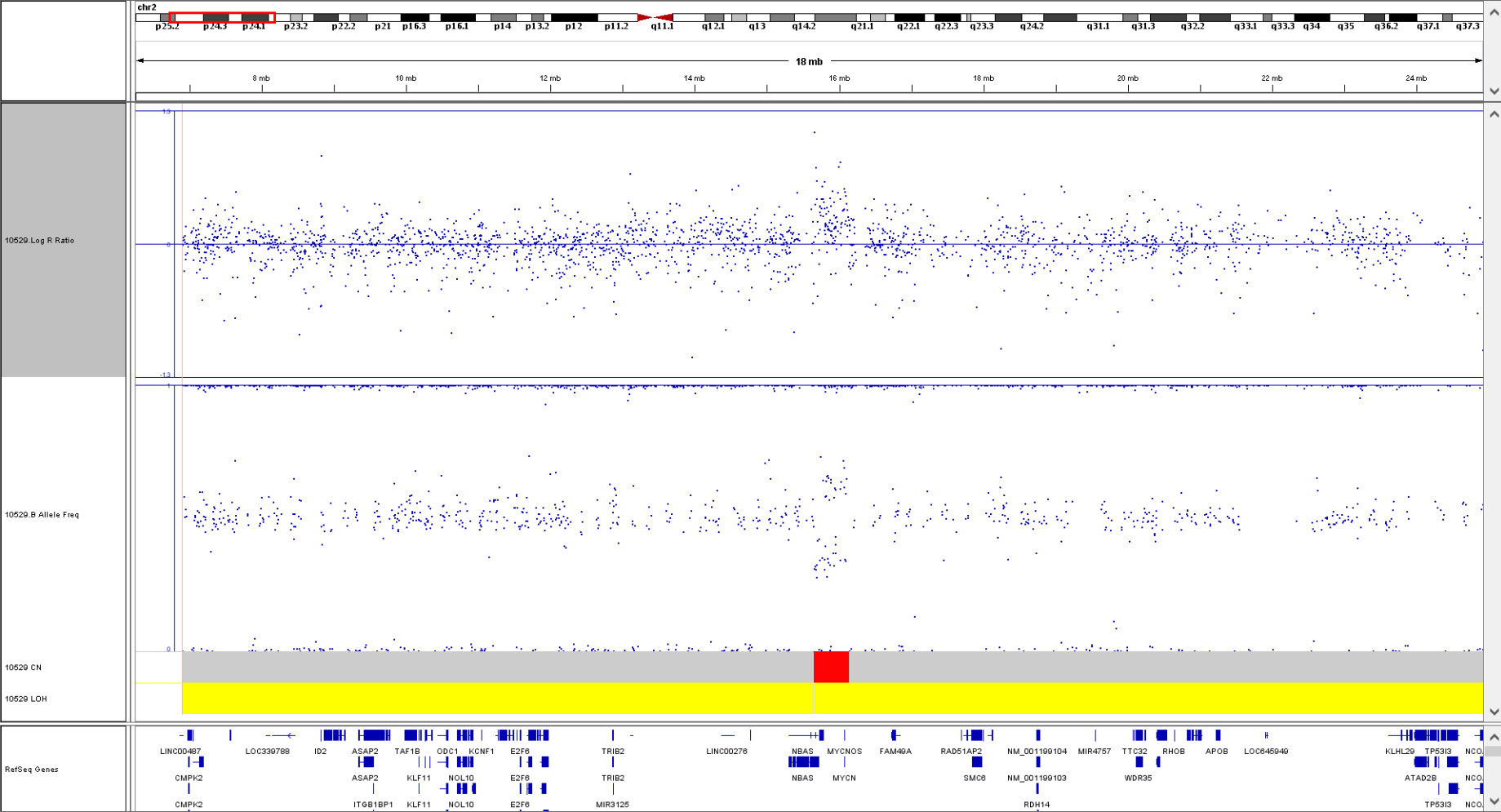
| | | | | | | | | | | | | | | |
|-------|-----|---|---|---------------------------------------|-------|-----|-----|-----|-----|-----|------------|------------|--------|--------|
| 8312 | 302 | | | | | y | 5 | 0 | 5 | 0 | Mixed | normal | LOSS | |
| 8313 | 306 | | | | | y | 17 | 0 | 17 | 0 | Regressive | normal | normal | |
| 8314 | 307 | | | | | y | 4 | 1 | 17 | 0 | Mixed | normal | normal | |
| 8702 | 175 | y | n | | | y | 31 | 0 | 31 | 0 | Stromal | GAIN | GAIN | |
| 8774 | 176 | y | n | | | y | 30 | 0 | 30 | 0 | Stromal | normal | normal | |
| 8783 | 178 | y | y | y (to confirm variant found in exome) | P44L | n | y | 25 | 0 | 25 | 0 | Blastemal | normal | normal |
| 8817 | 345 | | | | | y | 26 | 0 | 26 | 0 | Regressive | normal | normal | |
| 8819 | 180 | | | y (all coding exons) | P44L | n | | 26 | 0 | 26 | 0 | Regressive | | |
| 8834 | 177 | | | y (all coding exons) | | | | 30 | 0 | 30 | 0 | Mixed | | |
| 8837 | 177 | | | | | y | | 30 | 0 | 30 | 0 | Mixed | GAIN | normal |
| 8853 | 179 | y | y | | | | | | | 8 | 1 | Mixed | | |
| 8855 | 179 | | | | | y | | | | 8 | 1 | Mixed | normal | normal |
| 8860 | 346 | | | | | y | 25 | 0 | 25 | 0 | Mixed | normal | normal | |
| 8890 | 181 | | | y (all coding exons) | | | | 26 | 0 | 26 | 0 | Mixed | | |
| 8893 | 181 | | | | | y | 26 | 0 | 26 | 0 | Mixed | normal | normal | |
| 8896 | 1 | y | y | | | | | | | | | N/A | | |
| 8903 | 166 | | | y (all coding exons) | | y | 36 | 0 | 36 | 0 | Regressive | GAIN | normal | |
| 8914 | 171 | | | y (all coding exons) | P63P | ND | y | 7 | 1 | 34 | 0 | Mixed | GAIN | normal |
| 8922 | 165 | | | y (all coding exons) | | | | 33 | 0 | 33 | 0 | Regressive | | |
| 8925 | 172 | | | y (all coding exons) | | y | 12 | 1 | 35 | 0 | Mixed | GAIN | GAIN | |
| 9048 | 161 | | | y (all coding exons) | | y | 45 | 0 | 45 | 0 | Diffuse AH | normal | normal | |
| 9115 | 159 | | | y (all coding exons) | | | | | | 1 | 1 | Regressive | | |
| 9118 | 168 | | | y (all coding exons) | | y | 36 | 0 | 36 | 0 | Stromal | normal | normal | |
| 9127 | 173 | y | y | | | | | 35 | 0 | 35 | 0 | Mixed | | |
| 9128 | 173 | | | | | y | 35 | 0 | 35 | 0 | Mixed | normal | normal | |
| 9132 | 167 | | | y (all coding exons) | | y | 38 | 0 | 38 | 0 | Mixed | normal | normal | |
| 9140 | 157 | | | y (all coding exons) | E69E | ND | y | 43 | 0 | 43 | 0 | Regressive | normal | normal |
| 9161 | 49 | | | y (all coding exons) | | y | 109 | 0 | 109 | 0 | Epithelial | normal | normal | |
| 9165 | 80 | | | y (all coding exons) | | y | 98 | 0 | 98 | 0 | Diffuse AH | GAIN | normal | |
| 9173 | 118 | | | y (all coding exons) | | y | 76 | 0 | 76 | 0 | Epithelial | normal | normal | |
| 9179 | 125 | | | y (all coding exons) | | | | 73 | 0 | 73 | 0 | Stromal | | |
| 9189 | 64 | y | y | | | | | 17 | 1 | 17 | 1 | Diffuse AH | | |
| 9197 | 169 | y | y | | | y | 35 | 0 | 35 | 0 | Blastemal | normal | normal | |
| 9219 | 163 | | | y (all coding exons) | | y | 30 | 0 | 30 | 0 | Regressive | normal | normal | |
| 9224 | 162 | | | y (all coding exons) | E69E | ND | | 32 | 0 | 32 | 0 | Regressive | | |
| 9413 | 140 | | | y (all coding exons) | | | | 53 | 0 | 53 | 0 | Blastemal | | |
| 9415 | 139 | | | y (all coding exons) | | | | 56 | 0 | 56 | 0 | Mixed | | |
| 9431 | 164 | | | y (all coding exons) | P365A | N/A | | 39 | 0 | 39 | 0 | Regressive | | |
| 9442 | 133 | y | n | | | y | 59 | 0 | 59 | 0 | Mixed | normal | normal | |
| 9455 | 134 | | | y (all coding exons) | | y | 58 | 0 | 58 | 0 | Mixed | normal | normal | |
| 9460 | 50 | | | y (all coding exons) | | | | 14 | 1 | 111 | 0 | Stromal | | |
| 9462 | 170 | | | y (all coding exons) | | | | 36 | 0 | 36 | 0 | Mixed | | |
| 9532 | 145 | y | y | | | y | 40 | 0 | 40 | 0 | Focal AH | GAIN | GAIN | |
| 9537 | 158 | | | y (all coding exons) | | | | 32 | 0 | 32 | 0 | Diffuse AH | | |
| 9543 | 142 | | | y (all coding exons) | | y | 46 | 0 | 46 | 0 | Stromal | normal | normal | |
| 9547 | 156 | | | y (all coding exons) | | | | 11 | 0 | 17 | 1 | N/A | | |
| 9554 | 18 | | | y (all coding exons) | | y | 87 | 0 | 87 | 0 | Stromal | normal | normal | |
| 9574 | 155 | | | y (all coding exons) | | y | 44 | 0 | 44 | 0 | Mixed | normal | normal | |
| 9629 | 152 | | | y (all coding exons) | | y | 14 | 0 | 14 | 0 | Epithelial | normal | normal | |
| 9645 | 32 | | | y (all coding exons) | | | | 124 | 0 | 124 | 0 | Regressive | | |
| 9647 | 42 | | | y (all coding exons) | | y | 13 | 1 | 102 | 0 | Stromal | normal | normal | |
| 9657 | 57 | | | y (all coding exons) | | y | 12 | 0 | 12 | 1 | Diffuse AH | normal | normal | |
| 9660 | 62 | | | y (all coding exons) | | y | 108 | 0 | 108 | 0 | Stromal | normal | normal | |
| 9682 | 122 | | | y (all coding exons) | | y | 14 | 1 | 23 | 1 | Regressive | normal | normal | |
| 9702 | 129 | | | y (all coding exons) | | y | 38 | 1 | 76 | 0 | Epithelial | normal | normal | |
| 9707 | 130 | | | y (all coding exons) | | y | 66 | 0 | 66 | 0 | Mixed | normal | normal | |
| 9709 | 148 | | | y (all coding exons) | | y | 75 | 0 | 75 | 0 | Blastemal | normal | normal | |
| 9742 | 154 | | | y (all coding exons) | | y | 46 | 0 | 46 | 0 | Stromal | normal | normal | |
| 9748 | 151 | | | y (all coding exons) | | y | 50 | 0 | 50 | 0 | Stromal | normal | normal | |
| 9750 | 146 | | | y (all coding exons) | P44L | n | | 54 | 0 | 54 | 0 | Mixed | | |
| 9755 | 160 | | | y (all coding exons) | | y | 43 | 0 | 43 | 0 | Mixed | normal | normal | |
| 9759 | 149 | | | y (all coding exons) | | y | 49 | 0 | 49 | 0 | Epithelial | normal | normal | |
| 9989 | 143 | | | y (all coding exons) | | | | 43 | 0 | 43 | 0 | Mixed | | |
| 9991 | 150 | | | y (all coding exons) | | | | 40 | 0 | 40 | 0 | Mixed | | |
| 10001 | 174 | | | y (all coding exons) | | | | 23 | 0 | 23 | 0 | Stromal | | |
| 11062 | 324 | | | | | y | 67 | 0 | 67 | 0 | Mixed | normal | normal | |
| 11063 | 328 | | | | | y | 15 | 0 | 15 | 0 | Regressive | normal | normal | |
| 11065 | 323 | | | | | y | 10 | 1 | 32 | 1 | Focal AH | normal | normal | |
| 11066 | 322 | | | | | y | 81 | 0 | 81 | 0 | Mixed | normal | normal | |
| 11071 | 320 | | | | | y | 9 | 1 | 103 | 0 | Regressive | normal | normal | |

| | | | | | | | | | | | | | |
|-------|-----|--|--|--|--|---|----|---|----|---|------------|--------|--------|
| 11072 | 327 | | | | | y | 74 | 0 | 74 | 0 | Mixed | normal | normal |
| 11073 | 329 | | | | | y | 69 | 0 | 69 | 0 | Blastemal | normal | normal |
| 11075 | 331 | | | | | y | 75 | 0 | 75 | 0 | Focal AH | normal | normal |
| 11077 | 325 | | | | | y | 31 | 0 | 31 | 0 | Epithelial | normal | normal |
| 11078 | 330 | | | | | y | 46 | 0 | 46 | 0 | Regressive | normal | normal |
| 11079 | 321 | | | | | y | | | | | Stromal | normal | normal |
| 11086 | 326 | | | | | y | 11 | 0 | 11 | 0 | Regressive | normal | normal |
| 11362 | 319 | | | | | y | 7 | 0 | 7 | 0 | Regressive | normal | normal |

Supplementary Table 2

| ICH ID | Histology | RFS (months) | Relapse | Expression log2 intensity | Expression log2 intensity | Segmented log2 copy number | methylation (M) | methylation (M) | methylation (M) | methylation (M) | methylation (M) | methylation (M) | methylation (M) | methylation (M) | methylation (M) | methylation (M) | methylation (M) | methylation (M) | methylation (M) | methylation (M) | methylation (M) | methylation (M) | methylation (M) | methylation (M) | methylation (M) | methylation (M) | methylation (M) | | | |
|--------|--------------------|--------------|---------|---------------------------|---------------------------|----------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------|------------|-------|
| 201 | Mixed | 126 | 0 | 7.871 | 6.961 | 1.000 | cg00814244 | cg22111507 | cg21352292 | cg10429747 | cg17519750 | cg24960731 | cg14512425 | cg16597172 | cg02204046 | cg1010986 | cg29050571 | cg4251733 | cg06520300 | cg48884624 | cg17362029 | cg13131095 | cg07488260 | cg01802533 | cg20431766 | cg17083806 | cg19623054 | cg04460992 | cg25074809 | |
| 201 | Mixed | 126 | 0 | 7.871 | 6.961 | 1.000 | -4.104 | -5.471 | -4.993 | -5.301 | -5.362 | -5.505 | -3.841 | -4.376 | -3.539 | -3.151 | -4.080 | -3.435 | -4.139 | -3.643 | -5.210 | -4.010 | -3.248 | -2.866 | -1.631 | -1.039 | 3.018 | 4.151 | 5.471 | |
| 201 | Mixed | 4 | 1 | 9.750 | 7.773 | 1.000 | -4.330 | -5.430 | -4.371 | -4.778 | -4.778 | -4.488 | -3.996 | -4.276 | -3.808 | -3.657 | -3.496 | -3.777 | -3.937 | -3.618 | -4.949 | -3.424 | -3.047 | -3.324 | -3.047 | -3.254 | -2.961 | 0.077 | 1.012 | 1.031 |
| 302 | Blastomal | 2 | 1 | 10.194 | 8.178 | 1.000 | -4.160 | -5.268 | -4.476 | -5.048 | -4.628 | -4.761 | -3.598 | -4.540 | -4.074 | -3.427 | -4.049 | -3.777 | -4.821 | -3.785 | -3.855 | -4.023 | -3.410 | -3.306 | -3.671 | -2.558 | 0.556 | 1.792 | 2.712 | 2.712 |
| 325 | Regressive | 8 | 0 | 6.964 | 6.859 | 1.000 | -4.300 | -4.807 | -4.276 | -4.687 | -4.694 | -4.604 | -3.371 | -4.061 | -3.509 | -3.425 | -3.071 | -3.657 | -3.647 | -3.081 | -3.851 | -3.076 | -3.110 | -2.807 | -1.835 | -1.157 | 2.031 | 2.699 | 3.352 | |
| 115 | Stromal | 90 | 0 | 7.276 | 6.913 | 1.000 | -3.788 | -5.832 | -4.378 | -4.857 | -4.631 | -4.395 | -3.205 | -4.699 | -3.796 | -3.626 | -3.764 | -3.642 | -3.683 | -3.245 | -4.076 | -3.854 | -3.255 | -3.463 | -4.873 | -0.587 | 3.874 | 4.487 | 5.796 | |
| 1493 | Mixed | 93 | 0 | 11.604 | 9.453 | 1.000 | -3.918 | -5.294 | -4.416 | -4.347 | -4.120 | -4.101 | -3.327 | -4.071 | -3.611 | -3.460 | -3.674 | -3.389 | -3.388 | -3.283 | -3.826 | -3.292 | -2.902 | -2.902 | -2.695 | -1.558 | 0.213 | 1.050 | 1.050 | |
| 1706 | Diffuse Anaplastic | 90 | 0 | 10.183 | 8.340 | 1.585 | -4.661 | -5.104 | -6.335 | -4.703 | -5.056 | -5.056 | -3.237 | -4.915 | -4.090 | -3.806 | -3.721 | -4.131 | -5.151 | -3.686 | -4.269 | -3.936 | -3.350 | -3.478 | -3.002 | -2.047 | 0.192 | 1.691 | 1.975 | |
| 1781 | Epithelial | 59 | 0 | 7.255 | 6.899 | 1.000 | -3.803 | -5.740 | -5.079 | -4.341 | -4.108 | -4.540 | -3.556 | -4.175 | -3.704 | -3.448 | -3.399 | -3.089 | -3.579 | -3.624 | -4.256 | -4.035 | -3.462 | -3.235 | -1.822 | -1.113 | 2.898 | 3.292 | 4.139 | |
| 2220 | Diffuse Anaplastic | 94 | 0 | 7.009 | 6.824 | 1.000 | -3.541 | -4.748 | -4.744 | -4.367 | -4.386 | -3.501 | -4.203 | -4.083 | -3.479 | -3.367 | -3.348 | -3.047 | -3.322 | -3.891 | -3.391 | -3.136 | -3.222 | -2.718 | -1.622 | -1.485 | 2.784 | 3.163 | 3.107 | |
| 2261 | Regressive | 8 | 1 | 9.814 | 8.481 | 1.000 | -4.609 | -5.980 | -7.637 | -4.442 | -5.159 | -4.965 | -3.580 | -4.039 | -3.799 | -3.986 | -3.732 | -4.143 | -4.074 | -3.775 | -5.253 | -4.068 | -3.003 | -3.070 | -3.334 | -3.508 | -2.781 | -1.783 | -2.098 | |
| 2382 | Mixed | 125 | 0 | 10.223 | 7.983 | 1.000 | -3.727 | -5.170 | -3.657 | -4.397 | -4.344 | -4.436 | -3.358 | -3.677 | -3.825 | -3.298 | -3.433 | -3.329 | -3.488 | -3.558 | -4.255 | -3.468 | -3.273 | -2.918 | -2.469 | -1.731 | 0.338 | 1.709 | 1.078 | |
| 2388 | Regressive | 111 | 0 | 6.958 | 6.833 | 1.000 | -4.284 | -4.807 | -5.004 | -4.644 | -4.188 | -4.322 | -3.366 | -4.140 | -3.961 | -3.895 | -3.485 | -3.464 | -3.167 | -3.595 | -3.206 | -3.666 | -3.433 | -3.233 | -3.363 | -2.581 | 1.873 | 2.804 | 3.526 | |
| 2557 | Diffuse Anaplastic | 9 | 1 | 9.797 | 7.747 | 1.000 | -3.921 | -5.526 | -4.033 | -4.226 | -4.500 | -4.250 | -3.558 | -4.261 | -3.721 | -3.452 | -3.304 | -4.040 | -3.984 | -3.504 | -4.867 | -3.769 | -3.117 | -2.824 | -3.055 | -2.539 | -1.604 | -0.630 | -0.694 | |
| 2594 | Epithelial | 10 | 1 | 10.701 | 8.018 | 1.000 | -4.043 | -5.160 | -4.530 | -4.988 | -4.988 | -4.762 | -4.124 | -3.695 | -4.129 | -4.298 | -4.207 | -3.707 | -4.461 | -3.944 | -3.398 | -3.695 | -3.175 | -3.912 | -4.378 | -2.763 | -1.911 | -1.810 | | |
| 2652 | Mixed | 111 | 0 | 8.211 | 7.854 | 1.000 | -4.532 | -5.211 | -4.902 | -4.728 | -4.559 | -4.613 | -3.346 | -4.513 | -3.824 | -3.729 | -4.216 | -3.748 | -3.914 | -3.765 | -5.107 | -3.702 | -3.377 | -3.435 | -2.490 | -1.707 | 2.489 | 3.425 | 4.052 | |
| 2663 | Stromal | 116 | 0 | 6.907 | 6.811 | 1.000 | -3.704 | -5.982 | -5.529 | -4.809 | -4.822 | -4.717 | -3.331 | -4.822 | -3.809 | -3.339 | -3.724 | -3.927 | -4.099 | -3.857 | -4.449 | -4.142 | -3.195 | -3.768 | -1.151 | -0.578 | 3.047 | 3.817 | 4.702 | |
| 2664 | Mixed | 106 | 0 | 7.624 | 7.017 | 1.000 | -3.921 | -4.668 | -4.735 | -4.096 | -4.375 | -4.401 | -3.743 | -4.031 | -3.774 | -3.461 | -3.590 | -3.323 | -3.288 | -3.355 | -3.109 | -3.876 | -3.648 | -2.561 | -1.223 | -1.263 | 2.408 | 3.015 | 3.787 | |
| 2716 | Blastomal | 26 | 1 | 10.125 | 8.353 | 1.000 | -3.769 | -5.214 | -4.827 | -5.086 | -4.300 | -4.435 | -3.268 | -4.132 | -3.814 | -3.459 | -3.492 | -3.953 | -3.761 | -3.685 | -3.662 | -3.471 | -3.168 | -2.727 | -2.884 | -1.956 | 1.873 | 2.804 | 3.432 | |
| 2717 | Blastomal | 90 | 0 | 10.303 | 7.867 | 1.000 | -3.891 | -4.369 | -4.167 | -4.338 | -4.067 | -4.171 | -3.185 | -4.255 | -4.048 | -3.444 | -3.237 | -3.600 | -3.471 | -3.383 | -3.994 | -3.438 | -3.216 | -2.995 | -3.322 | -2.900 | -0.990 | -0.093 | 0.174 | |
| 2720 | Blastomal | 101 | 0 | 10.264 | 8.388 | 1.000 | -4.153 | -5.087 | -4.253 | -4.266 | -4.186 | -4.319 | -3.436 | -4.079 | -3.783 | -3.496 | -3.307 | -3.676 | -3.149 | -3.272 | -4.618 | -3.710 | -3.211 | -2.998 | -3.539 | -3.191 | -1.067 | -0.265 | 0.444 | |
| 2734 | Regressive | 83 | 0 | 6.976 | 6.994 | 1.000 | -4.513 | -5.225 | -4.796 | -4.409 | -4.521 | -4.470 | -3.348 | -4.422 | -3.899 | -3.647 | -3.393 | -3.618 | -3.515 | -3.714 | -4.414 | -3.588 | -3.287 | -2.687 | -1.523 | -1.012 | 2.782 | 3.249 | 4.240 | |
| 2964 | Mixed | 12 | 0 | 9.866 | 7.878 | 1.585 | -4.124 | -4.816 | -3.734 | -3.912 | -3.990 | -4.392 | -3.456 | -3.930 | -4.168 | -3.460 | -3.400 | -3.915 | -3.357 | -3.489 | -3.973 | -3.608 | -3.287 | -2.672 | -3.148 | -4.227 | -0.371 | 1.055 | 1.019 | |
| 2967 | Diffuse Anaplastic | 5 | 1 | 12.568 | 11.195 | 3.000 | -2.745 | -4.817 | -5.008 | -2.873 | -3.533 | -3.458 | -2.531 | -3.243 | -2.473 | -3.920 | -2.522 | -3.150 | -3.211 | -2.729 | -4.806 | -2.153 | -2.333 | -3.015 | -2.675 | -2.718 | 0.841 | 0.939 | 2.676 | |
| 2969 | Diffuse Anaplastic | 9 | 1 | 9.687 | 7.738 | 2.322 | -4.316 | -5.351 | -5.129 | -4.588 | -4.879 | -4.729 | -3.093 | -4.339 | -3.759 | -3.754 | -3.149 | -3.872 | -3.849 | -4.043 | -4.573 | -3.547 | -3.109 | -2.815 | -2.224 | -1.470 | 0.758 | 1.803 | 2.170 | |
| 2970 | Regressive | 86 | 0 | 7.111 | 6.805 | 1.000 | -4.638 | -5.761 | -4.690 | -4.684 | -4.367 | -4.490 | -3.254 | -4.573 | -3.902 | -3.850 | -3.329 | -3.322 | -3.873 | -3.776 | -3.475 | -4.194 | -3.521 | -2.899 | -1.623 | -0.948 | 2.373 | 2.672 | 3.787 | |
| 2987 | Regressive | 82 | 0 | 10.539 | 8.255 | 1.000 | -4.064 | -5.164 | -4.677 | -4.627 | -4.304 | -4.306 | -3.517 | -3.949 | -3.905 | -3.289 | -3.447 | -3.742 | -3.900 | -3.575 | -3.970 | -3.506 | -3.328 | -2.655 | -3.919 | -1.054 | -3.084 | -2.855 | -2.271 | |
| 2990 | Epithelial | 61 | 1 | 8.424 | 7.514 | 1.000 | -3.569 | -5.147 | -4.326 | -4.376 | -4.014 | -4.355 | -3.348 | -4.121 | -3.851 | -3.688 | -3.377 | -3.845 | -3.935 | -3.315 | -4.124 | -3.579 | -3.156 | -2.395 | -3.080 | -2.740 | -1.489 | -0.850 | -0.432 | |
| 2994 | Epithelial | 75 | 0 | 8.235 | 7.323 | 1.000 | -3.591 | -5.968 | -5.066 | -4.253 | -4.102 | -4.052 | -3.479 | -4.095 | -4.042 | -3.279 | -3.436 | -3.676 | -3.786 | -3.737 | -3.534 | -3.346 | -3.389 | -2.856 | -2.174 | -1.547 | 0.803 | 2.221 | 1.648 | |
| 3015 | Stromal | 87 | 0 | 7.740 | 7.028 | 1.000 | -3.889 | -4.968 | -3.709 | -4.353 | -4.251 | -4.426 | -3.340 | -4.010 | -3.728 | -3.432 | -3.438 | -3.330 | -3.601 | -3.731 | -3.661 | -3.499 | -3.222 | -2.754 | -3.560 | -4.131 | 2.133 | 2.357 | 4.830 | |
| 3020 | Blastomal | 5 | 1 | 10.994 | 8.953 | 2.000 | -4.145 | -5.123 | -4.795 | -4.799 | -4.177 | -4.318 | -3.496 | -4.190 | -3.827 | -3.517 | -3.229 | -3.815 | -3.977 | -3.453 | -4.904 | -3.619 | -3.032 | -2.657 | -3.267 | -2.759 | -0.155 | 0.825 | 1.307 | |
| 3136 | Stromal | 102 | 0 | 7.772 | 7.034 | 1.000 | -4.575 | -4.949 | -5.972 | -4.582 | -4.414 | -4.645 | -3.420 | -4.570 | -4.540 | -3.505 | -3.384 | -3.202 | -3.931 | -3.560 | -4.966 | -3.803 | -3.342 | -3.028 | -2.040 | -1.360 | 1.995 | 2.314 | 2.758 | |
| 3140 | Stromal | 97 | 0 | 7.382 | 6.808 | 1.585 | -4.626 | -8.044 | -4.712 | -4.702 | -4.022 | -4.478 | -3.234 | -4.138 | -3.938 | -3.336 | -3.325 | -4.301 | -3.392 | -3.266 | -4.457 | -3.400 | -3.011 | -2.778 | -1.544 | -0.789 | 1.615 | 2.932 | 2.967 | |
| 3143 | Diffuse Anaplastic | 105 | 0 | 10.464 | 8.623 | 1.000 | -3.878 | -8.101 | -4.752 | -4.526 | -4.451 | -4.323 | -3.426 | -4.183 | -4.107 | -3.597 | -4.452 | -2.999 | -4.385 | -3.710 | -4.282 | -4.018 | -3.209 | -3.791 | -3.694 | -2.687 | -2.587 | -1.617 | -1.601 | |
| 3145 | Diffuse Anaplastic | 118 | 1 | 10.448 | 8.429 | 1.000 | -3.551 | -4.804 | -3.819 | -4.252 | -4.035 | -4.993 | -3.553 | -3.868 | -4.021 | -3.683 | -3.810 | -3.494 | -3.470 | -3.483 | -4.298 | -3.842 | -3.713 | -2.870 | -3.494 | -3.699 | -1.007 | 0.927 | 1.152 | |
| 3148 | Mixed | 38 | 0 | 7.781 | 7.032 | 1.000 | -4.031 | -5.157 | -5.111 | -4.023 | -4.250 | -4.235 | -3.324 | -4.429 | -3.861 | -3.234 | -3.484 | -3.057 | -4.262 | -3.844 | -4.804 | -3.612 | -3.224 | -3.850 | -2.166 | -1.787 | 2.332 | 2.862 | 3.726 | |
| 3150 | Regressive | 78 | 0 | 7.157 | 6.896 | 1.000 | -4.477 | -5.347 | -4.525 | -4.098 | -4.528 | -4.085 | -3.278 | -4.300 | -3.579 | -3.374 | -3.118 | | | | | | | | | | | | | |

Supplementary Figure 1



Supplementary Figure 2



