# Table S13: Complete list of all spots picked in HA21, fold change comparing patient to all other samples run in the experiment

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Spot rank | Pick # | Fold change |  | Patient | Mother | Father | Control | Standard |
| 20 | 1 |   | I | 3.370 | 0.788 | 0.669 | 0.696 | 0.650 |
|   |  |  | II | 3.084 | 0.798 | 0.718 | 0.615 | 0.659 |
|   |  |  | med | 3.227 | 0.793 | 0.694 | 0.656 | 0.655 |
|  | **P to all 4.62** |  |  | **4.069** | **4.653** | **4.923** | **4.930** |
| 5 | 2 |  | I | 2.991 | 0.434 | 0.517 | 0.588 | 0.462 |
|   |  |  | II | 3.014 | 0.422 | 0.451 | 0.524 | 0.410 |
|   |  |  | med | 3.003 | 0.428 | 0.484 | 0.556 | 0.436 |
|  | **P to all 6.31** |  |  | **7.015** | **6.204** | **5.400** | **6.886** |
| 29 | 3 |   | I | 3.062 | 1.382 | 1.625 | 1.041 | 0.722 |
|   |  |  | II | 2.972 | 1.541 | 1.388 | 0.882 | 0.734 |
|   |  |  | med | 3.017 | 1.462 | 1.507 | 0.962 | 0.728 |
|  | **P to all 2.59** |  |  | **2.064** | **2.003** | **3.138** | **4.144** |
| 7 | 4 |   | I | 3.046 | 0.700 | 0.612 | 0.499 | 0.456 |
|   |  |  | II | 3.166 | 0.506 | 0.581 | 0.569 | 0.530 |
|   |  |  | med | 3.106 | 0.603 | 0.597 | 0.534 | 0.493 |
|  | **P to all 5.58** |  |  | **5.151** | **5.207** | **5.816** | **6.300** |
| 232 | 5 |   | I | 1.576 | 0.767 | 0.769 | 0.886 | 1.147 |
|   |  |  | II | 1.575 | 0.830 | 0.800 | 0.824 | 1.070 |
|   |  |  | med | 1.576 | 0.799 | 0.785 | 0.855 | 1.109 |
|  | **P to all 1.78** |  |  | **1.973** | **2.008** | **1.843** | **1.421** |
| 133 | 6 |   | I | 0.504 | 1.182 | 1.263 | 1.193 | 1.049 |
|   |  |  | II | 0.518 | 1.195 | 1.312 | 1.119 | 1.157 |
|   |  |  | med | 0.511 | 1.189 | 1.288 | 1.156 | 1.103 |
|  | *P to all 2.32* |  |  | *2.33* | *2.52* | *2.26* | *2.16* |
| 21 | 7 |   | I | 1.862 | 0.391 | 0.593 | 0.612 | 0.500 |
|   |  |  | II | 1.817 | 0.399 | 0.559 | 0.574 | 0.499 |
|   |  |  | med | 1.840 | 0.395 | 0.576 | 0.593 | 0.500 |
|  | **P to all 3.57** |  |  | **4.657** | **3.194** | **3.102** | **3.683** |
| 3 | 8 |   | I | 3.496 | 0.395 | 0.487 | 0.511 | 0.367 |
|   |  |  | II | 3.116 | 0.419 | 0.424 | 0.510 | 0.346 |
|   |  |  | med | 3.306 | 0.407 | 0.456 | 0.511 | 0.357 |
|  | **P to all 7.65** |  |  | **8.123** | **7.258** | **6.476** | **9.273** |
| 298 | 9 |   | I | 1.119 | 0.641 | 0.832 | 0.939 | 0.928 |
|   |  |  | II | 1.218 | 0.623 | 0.863 | 0.912 | 0.773 |
|   |  |  | med | 1.169 | 0.632 | 0.848 | 0.926 | 0.851 |
|   | P to all 1.44 |   |   | 1.849 | 1.379 | 1.263 | 1.374 |
| 98 | 10 |   | I | 3.082 | 0.956 | 1.118 | 1.358 | 1.025 |
|   |  |  | II | 2.489 | 1.042 | 0.982 | 1.305 | 1.007 |
|   |  |  | med | 2.786 | 0.999 | 1.050 | 1.332 | 1.016 |
|  | **P to all 2.53** |  |  | **2.788** | **2.653** | **2.092** | **2.742** |
| 151 | 11 |   | I | 0.360 | 0.732 | 0.837 | 0.883 | 0.906 |
|   |  |  | II | 0.425 | 0.701 | 0.877 | 0.881 | 0.975 |
|   |  |  |  | 0.393 | 0.717 | 0.857 | 0.882 | 0.941 |
|  | *P to all 2.16* | *med* |  | *1.83* | *2.18* | *2.25* | *2.40* |
| 108 | 12 |   | I | 1.842 | 1.015 | 1.055 | 0.583 | 1.048 |
|   |  |  | II | 1.590 | 1.115 | 0.911 | 0.678 | 0.917 |
|   |  |  | med | 1.716 | 1.065 | 0.983 | 0.631 | 0.983 |
|  | **P to all 1.87** |  |  | **1.611** | **1.746** | **2.722** | **1.747** |
| 27 | 13 |   | I | 2.197 | 0.457 | 0.609 | 0.544 | 0.495 |
|   |  |  | II | 2.021 | 0.517 | 0.616 | 0.747 | 0.719 |
|   |  |  | med | 2.109 | 0.487 | 0.613 | 0.646 | 0.607 |
|  | **P to all 3.59** |  |  | **4.331** | **3.443** | **3.267** | **3.474** |
| 258 | 14 |   | I | 0.499 | 0.696 | 0.698 | 0.929 | 0.926 |
|   |  |  | II | 0.508 | 0.734 | 0.646 | 1.050 | 0.903 |
|   |  |  | med | 0.504 | 0.715 | 0.672 | 0.990 | 0.915 |
|  | *P to all 1.63* |  |  | *1.42* | *1.33* | *1.97* | *1.82* |
| 87 | 15 |   | I | 0.442 | 1.408 | 1.162 | 0.799 | 0.807 |
|   |  |  | II | 0.479 | 1.372 | 1.259 | 0.720 | 0.688 |
|   |  |  | med | 0.461 | 1.390 | 1.211 | 0.760 | 0.748 |
|  | *P to all 2.23* |  |  | *3.02* | *2.63* | *1.65* | *1.62* |
| 45 | 16 |   | I | 0.337 | 1.202 | 1.415 | 1.273 | 1.010 |
|   |  |  | II | 0.408 | 1.174 | 1.290 | 1.227 | 1.145 |
|   |  |  | med | 0.373 | 1.188 | 1.353 | 1.250 | 1.078 |
|  | *P to all 3.27* |  |  | *3.19* | *3.63* | *3.36* | *2.89* |
| 389 | 17 |   | I | 1.705 | 1.083 | 1.115 | 1.245 | 1.104 |
|   |  |  | II | 1.876 | 1.160 | 1.037 | 1.275 | 1.133 |
|   |  |  | med | 1.791 | 1.122 | 1.076 | 1.260 | 1.119 |
|  | **P to all 1.57** |  |  | **1.597** | **1.664** | **1.421** | **1.601** |
| 12 | 18 |   | I | 2.898 | 0.576 | 0.484 | 0.525 | 0.683 |
|   |  |  | II | 2.173 | 0.686 | 0.434 | 0.663 | 0.573 |
|   |  |  | med | 2.536 | 0.631 | 0.459 | 0.594 | 0.628 |
|  | **P to all 4.93** |  |  | **4.018** | **5.524** | **4.269** | **4.037** |
| 48 | 19 |   | I | 1.699 | 0.792 | 0.706 | 0.680 | 0.485 |
|   |  |  | II | 1.677 | 0.793 | 0.746 | 0.733 | 0.455 |
|   |  |  |  | 1.688 | 0.793 | 0.726 | 0.707 | 0.470 |
|  | **P to all 2.51** | **med** |  | **2.130** | **2.325** | **2.389** | **3.591** |
| 103 | 20 |  | I | 0.393 | 1.138 | 0.541 | 1.147 | 0.862 |
|   |  |  | II | 0.424 | 1.074 | 0.565 | 1.108 | 0.887 |
|   |  |  | med | 0.409 | 1.106 | 0.553 | 1.128 | 0.875 |
|  | *P to all 2.24* |  |  | *2.71* | *1.35* | *2.76* | *2.14* |
| 6 | 21 |   | I | 3.249 | 0.500 | 0.643 | 0.579 | 0.496 |
|   |  |  | II | 3.273 | 0.503 | 0.612 | 0.726 | 0.761 |
|   |  |  | med | 3.261 | 0.502 | 0.628 | 0.653 | 0.629 |
|  | **P to all 5.41** |  |  | **6.502** | **5.197** | **4.998** | **5.189** |
| 116 | 22 |   | I | 0.512 | 1.137 | 1.250 | 1.061 | 1.299 |
|   |  |  | II | 0.489 | 1.058 | 1.202 | 1.021 | 1.373 |
|   |  |  | med | 0.501 | 1.098 | 1.226 | 1.041 | 1.336 |
|  | *P to all 1.97* |  |  | *2.19* | *2.45* | *2.08* | *2.67* |
| 188 | 23 |   | I | 0.566 | 1.053 | 1.265 | 1.028 | 1.121 |
|   |  |  | II | 0.550 | 1.035 | 1.206 | 1.090 | 1.013 |
|   |  |  | med | 0.558 | 1.044 | 1.236 | 1.059 | 1.067 |
|  | *P to all 1.97* |  |  | *1.87* | *2.21* | *1.90* | *1.91* |
| 61 | 24 |   | I | 0.436 | 0.554 | 1.472 | 1.161 | 1.168 |
|   |  |  | II | 0.464 | 0.548 | 1.574 | 1.099 | 1.221 |
|   |  |  | med | 0.450 | 0.551 | 1.523 | 1.130 | 1.195 |
|  | *P all 2.44* |  |  | *1.22* | *3.38* | *2.51* | *2.65* |
| 51 | 25 |   | I | 0.674 | 1.218 | 2.292 | 1.451 | 1.846 |
|   |  |  | II | 0.540 | 1.570 | 1.963 | 1.495 | 1.454 |
|   |  |  | med | 0.607 | 1.394 | 2.128 | 1.473 | 1.650 |
|  | *P to all 2.74* |  |  | *2.30* | *3.50* | *2.43* | *2.72* |
| 204 | 26 |   | I | 0.465 | 0.652 | 0.810 | 0.985 | 0.815 |
|   |  |  | II | 0.472 | 0.626 | 0.800 | 1.026 | 0.797 |
|   |  |  | med | 0.469 | 0.639 | 0.805 | 1.006 | 0.806 |
|  | *P to all 1.74* |  |  | *1.36* | *1.72* | *2.15* | *1.72* |
| 304 | 27 |   | I | 0.505 | 0.774 | 0.878 | 0.825 | 0.911 |
|   |  |  | II | 0.465 | 0.782 | 0.843 | 0.901 | 0.876 |
|   |  |  | med | 0.485 | 0.778 | 0.861 | 0.863 | 0.894 |
|  | *P to all 1.75* |  |  | *1.60* | *1.77* | *1.78* | *1.84* |
| 127 | 28 |   | I | 0.551 | 1.157 | 1.307 | 1.084 | 1.419 |
|   |  |  | II | 0.525 | 1.185 | 1.357 | 1.115 | 1.356 |
|   |  |  | med | 0.538 | 1.171 | 1.332 | 1.100 | 1.388 |
|  | *P to all 2.32* |  |  | *2.18* | *2.48* | *2.04* | *2.58* |
| 72 | 29 |   | I | 0.303 | 0.794 | 0.936 | 0.964 | 0.992 |
|   |  |  | II | 0.323 | 0.751 | 0.967 | 0.915 | 1.006 |
|   |  |  | med | 0.313 | 0.773 | 0.952 | 0.940 | 0.999 |
|  | *P to all 2.93* |  |  | *2.47* | *3.04* | *3.00* | *3.19* |
| 25 | 30 |   | I | 2.626 | 0.764 | 0.651 | 0.600 | 0.614 |
|   |  |  | II | 2.979 | 0.721 | 0.652 | 0.681 | 0.778 |
|   |  |  | med | 2.803 | 0.743 | 0.652 | 0.641 | 0.696 |
|  | **P to all 4.11** |  |  | **3.774** | **4.302** | **4.375** | **4.027** |
| 158 | 31 |   | I | 1.335 | 0.709 | 0.619 | 0.551 | 0.559 |
|   |  |  | II | 1.316 | 0.662 | 0.522 | 0.582 | 0.631 |
|   |  |  | med | 1.326 | 0.686 | 0.571 | 0.567 | 0.595 |
|  | **P to all 2.19** |  |  | **1.934** | **2.323** | **2.340** | **2.228** |
| 67 | 32 |   | I | 1.641 | 0.728 | 0.864 | 0.560 | 0.515 |
|   |  |  | II | 1.629 | 0.758 | 0.855 | 0.522 | 0.502 |
|   |  |  | med | 1.635 | 0.743 | 0.860 | 0.541 | 0.509 |
|  | **P to all 2.47** |  |  | **2.201** | **1.902** | **3.022** | **3.215** |
| 559 | 33 |   | I | 1.077 | 1.041 | 1.471 | 1.505 | 1.401 |
|   |  |  | II | 1.035 | 1.092 | 1.342 | 1.442 | 1.424 |
|   |  |  | med | 1.056 | 1.067 | 1.407 | 1.474 | 1.413 |
|   | P to all 1.27 |   |   | 1.01 | 1.33 | 1.40 | 1.34 |
| 291 | 34 |   | I | 0.643 | 1.090 | 0.843 | 0.844 | 1.144 |
|   |  |  | II | 0.559 | 1.052 | 0.871 | 0.868 | 1.117 |
|   |  |  | med | 0.601 | 1.071 | 0.857 | 0.856 | 1.131 |
|  | *P to all 1.63* |  |  | *1.78* | *1.43* | *1.42* | *1.88* |
| 143 | 35 |   | I | 0.602 | 1.428 | 1.257 | 1.400 | 1.180 |
|   |  |  | II | 0.612 | 1.509 | 1.269 | 1.364 | 1.099 |
|   |  |  | med | 0.607 | 1.469 | 1.263 | 1.382 | 1.140 |
|  | *P to all 2.16* |  |  | *2.42* | *2.08* | *2.28* | *1.88* |
| 150 | 36 |   | I | 0.553 | 1.027 | 1.312 | 1.202 | 1.002 |
|   |  |  | II | 0.484 | 1.238 | 1.137 | 1.277 | 0.880 |
|   |  |  | med | 0.519 | 1.133 | 1.225 | 1.240 | 0.941 |
|  | *P to all 2.19* |  |  | *2.18* | *2.36* | *2.39* | *1.81* |
| 32 | 37 |   | I | 0.479 | 1.951 | 1.228 | 1.372 | 1.539 |
|   |  |  | II | 0.551 | 1.743 | 1.185 | 1.786 | 2.673 |
|   |  |  | med | 0.515 | 1.847 | 1.207 | 1.579 | 2.106 |
|  | *P to all 3.27* |  |  | *3.59* | *2.34* | *3.07* | *4.09* |
| 47 | 38 |   | I | 0.414 | 1.182 | 1.678 | 1.361 | 0.787 |
|   |  |  | II | 0.393 | 1.282 | 1.264 | 1.332 | 0.603 |
|   |  |  | med | 0.404 | 1.232 | 1.471 | 1.347 | 0.695 |
|  | *P to all 2.94* |  |  | *3.05* | *3.65* | *3.34* | *1.72* |
| 544 | 39 |   | I | 0.694 | 0.794 | 0.969 | 0.900 | 0.994 |
|   |  |  | II | 0.691 | 0.796 | 0.955 | 0.903 | 0.970 |
|   |  |  | med | 0.693 | 0.795 | 0.962 | 0.902 | 0.982 |
|   | P to all 1.31 |   |   | 1.15 | 1.39 | 1.30 | 1.42 |
| 77 | 40 |   | I | 0.285 | 0.798 | 0.850 | 1.043 | 0.820 |
|   |  |  | II | 0.350 | 0.697 | 0.897 | 0.922 | 0.859 |
|   |  |  | med | 0.318 | 0.748 | 0.874 | 0.983 | 0.840 |
|  | *P to all 2.71* |  |  | *2.35* | *2.75* | *3.09* | *2.64* |
| 8 | 41 |   | I | 0.199 | 1.026 | 0.940 | 1.009 | 1.225 |
|   |  |  | II | 0.202 | 1.034 | 0.973 | 0.881 | 1.231 |
|   |  |  | med | 0.201 | 1.030 | 0.957 | 0.945 | 1.228 |
|  | *P to all 5.19* |  |  | *5.14* | *4.77* | *4.71* | *6.12* |
| 86 | 42 |   | I | 1.473 | 0.795 | 0.561 | 0.483 | 0.743 |
|   |  |  | II | 1.598 | 0.711 | 0.606 | 0.538 | 0.843 |
|   |  |  | med | 1.536 | 0.753 | 0.584 | 0.511 | 0.793 |
|  | **P to all 2.33** |  |  | **2.039** | **2.632** | **3.008** | **1.936** |
| 69 | 43 |  | I | 2.029 | 0.935 | 0.895 | 1.029 | 0.613 |
|   |  |  | II | 2.034 | 0.943 | 0.856 | 1.108 | 0.657 |
|   |  |  | med | 2.032 | 0.939 | 0.876 | 1.069 | 0.635 |
|  | **P to all 2.31** |  |  | **2.163** | **2.320** | **1.901** | **3.199** |
| 128 | 44 |   | I | 0.372 | 1.012 | 0.956 | 1.091 | 0.943 |
|   |  |  | II | 0.460 | 0.925 | 1.006 | 1.048 | 0.964 |
|   |  |  | med | 0.416 | 0.969 | 0.981 | 1.070 | 0.954 |
|  | *P to all 2.39* |  |  | *2.33* | *2.36* | *2.57* | *2.29* |
| 28 | 45 |   | I | 1.792 | 0.947 | 0.663 | 0.453 | 0.680 |
|   |  |  | II | 1.946 | 0.910 | 0.722 | 0.430 | 0.726 |
|   |  |  | med | 1.869 | 0.929 | 0.693 | 0.442 | 0.703 |
|  | **P to all 2.7** |  |  | **2.013** | **2.699** | **4.233** | **2.659** |
| 489 | 46 |   | I | 1.156 | 0.900 | 0.839 | 0.749 | 0.764 |
|   |  |  | II | 1.097 | 0.928 | 0.835 | 0.748 | 0.762 |
|   |  |  | med | 1.127 | 0.914 | 0.837 | 0.749 | 0.763 |
|   | P to all 1.38 |   |   | 1.232 | 1.346 | 1.505 | 1.476 |
| 19 | 47 |  | I | 0.227 | 1.049 | 0.960 | 0.987 | 1.172 |
|   |  |  | II | 0.242 | 1.065 | 1.028 | 0.941 | 1.195 |
|   |  |  | med | 0.235 | 1.057 | 0.994 | 0.964 | 1.184 |
|  | *P to all 4.48* |  |  | *4.51* | *4.24* | *4.11* | *5.05* |
| 124 | 48 |   | I | 0.794 | 1.883 | 2.150 | 1.859 | 2.042 |
|   |  |  | II | 0.780 | 2.043 | 1.984 | 1.888 | 2.104 |
|   |  |  | med | 0.787 | 1.963 | 2.067 | 1.874 | 2.073 |
|  | *P to all 2.53* |  |  | *2.49* | *2.63* | *2.38* | *2.63* |
| 173 | 49 |   | I | 1.708 | 0.828 | 0.718 | 0.765 | 0.802 |
|   |  |  | II | 1.583 | 0.811 | 0.735 | 0.730 | 0.777 |
|   |  |  | med | 1.646 | 0.820 | 0.727 | 0.748 | 0.790 |
|  | **P to all 2.13** |  |  | **2.008** | **2.265** | **2.201** | **2.084** |
| 174 | 50 |   | I | 0.427 | 0.930 | 0.959 | 0.766 | 1.000 |
|   |  |  | II | 0.480 | 0.847 | 1.009 | 0.721 | 1.075 |
|   |  |  | med | 0.454 | 0.889 | 0.984 | 0.744 | 1.038 |
|  | *P to all 2.01* |  |  | *1.96* | *2.17* | *1.64* | *2.29* |
| 163 | 51 |   | I | 0.580 | 1.353 | 1.273 | 1.480 | 1.401 |
|   |  |  | II | 0.664 | 1.306 | 1.386 | 1.411 | 1.444 |
|   |  |  | med | 0.622 | 1.330 | 1.330 | 1.446 | 1.423 |
|  | *P to all 2.22* |  |  | *2.14* | *2.14* | *2.32* | *2.29* |
| 62 | 52 |   | I | 1.824 | 0.530 | 0.595 | 0.802 | 0.574 |
|   |  |  | II | 1.750 | 0.540 | 0.602 | 0.705 | 0.562 |
|   |  |  | med | 1.787 | 0.535 | 0.599 | 0.754 | 0.568 |
|  | **P to all 2.91** |  |  | **3.340** | **2.986** | **2.372** | **3.146** |
| 169 | 53 |   | I | 1.655 | 0.695 | 0.772 | 0.629 | 0.625 |
|   |  |  | II | 1.455 | 0.664 | 0.713 | 0.774 | 0.717 |
|   |  |  | med | 1.555 | 0.680 | 0.743 | 0.702 | 0.671 |
|  | **P to all 2.23** |  |  | **2.288** | **2.094** | **2.217** | **2.317** |
| 113 | 54 |   | I | 0.584 | 1.306 | 1.267 | 1.450 | 1.615 |
|   |  |  | II | 0.607 | 1.175 | 1.449 | 1.267 | 1.586 |
|   |  |  | med | 0.596 | 1.241 | 1.358 | 1.359 | 1.601 |
|  | *P to all 2.33* |  |  | *2.08* | *2.28* | *2.28* | *2.69* |
| 229 | 55 |   | I | 0.445 | 1.036 | 0.815 | 0.857 | 0.967 |
|   |  |  | II | 0.552 | 0.925 | 0.882 | 0.788 | 1.067 |
|   |  |  | med | 0.499 | 0.981 | 0.849 | 0.823 | 1.017 |
|  | *P to all 1.84* |  |  | *1.97* | *1.70* | *1.65* | *2.04* |
| 162 | 56 |   | I | 1.610 | 1.065 | 0.615 | 0.694 | 0.822 |
|   |  |  | II | 1.560 | 1.065 | 0.757 | 0.691 | 0.969 |
|   |  |  |  | 1.585 | 1.065 | 0.686 | 0.693 | 0.896 |
|  | **P to all 1.9** | **med** |  | **1.488** | **2.310** | **2.289** | **1.770** |
| 56 | 57 |   | I | 1.483 | 1.086 | 0.898 | 0.451 | 1.001 |
|   |  |  | II | 1.521 | 1.059 | 0.972 | 0.419 | 1.077 |
|  |  |  | med | 1.502 | 1.073 | 0.935 | 0.435 | 1.039 |
|  | **P to all 1.73** |  |  | **1.400** | **1.606** | **3.453** | **1.446** |
| 22 | 58 |   | I | 0.283 | 0.954 | 1.135 | 1.088 | 1.414 |
|   |  |  | II | 0.333 | 0.994 | 1.175 | 1.040 | 1.440 |
|   |  |  | med | 0.308 | 0.974 | 1.155 | 1.064 | 1.427 |
|  | *P to all 3.75* |  |  | *3.16* | *3.75* | *3.45* | *4.63* |
| 178 | 59 |   | I | 0.400 | 1.012 | 0.888 | 0.757 | 0.996 |
|   |  |  | II | 0.496 | 0.949 | 0.946 | 0.690 | 1.014 |
|   |  |  | med | 0.448 | 0.981 | 0.917 | 0.724 | 1.005 |
|  | *P to all 2.02* |  |  | *2.19* | *2.05* | *1.61* | *2.24* |
| 90 | 60 |   | I | 2.242 | 0.987 | 0.973 | 0.744 | 0.825 |
|   |  |  | II | 2.187 | 1.070 | 0.983 | 0.774 | 0.931 |
|   |  |  | med | 2.215 | 1.029 | 0.978 | 0.759 | 0.878 |
|  | **P to all** | **2.43** |  |  | **2.153** | **2.264** | **2.918** | **2.522** |
| 223 | 61 |   | I | 0.702 | 1.286 | 1.491 | 1.354 | 1.223 |
|   |  |  | II | 0.739 | 1.190 | 1.478 | 1.481 | 1.215 |
|   |  |  | med | 0.721 | 1.238 | 1.485 | 1.418 | 1.219 |
|  | *P to all 1.86* |  |  | *1.72* | *2.06* | *1.97* | *1.69* |
| 96 | 62 |  | I | 1.664 | 1.364 | 1.112 | 0.636 | 1.215 |
|   |  |  | II | 1.648 | 1.202 | 1.151 | 0.545 | 1.273 |
|   |  |  | med | 1.656 | 1.283 | 1.132 | 0.591 | 1.244 |
|  | **P to all 1.56** |  |  | **1.291** | **1.464** | **2.804** | **1.331** |
| 200 | 63 |   | I | 1.276 | 1.160 | 0.672 | 0.557 | 0.622 |
|   |  |  | II | 1.197 | 1.097 | 0.624 | 0.588 | 0.695 |
|   |  |  | med | 1.237 | 1.129 | 0.648 | 0.573 | 0.659 |
|  | **P to all 1.64** |  |  | **1.096** | **1.908** | **2.160** | **1.878** |
| 292 | 64 |  | I | 0.542 | 1.081 | 0.934 | 1.075 | 0.995 |
|   |  |  | II | 0.598 | 1.030 | 1.009 | 1.059 | 1.037 |
|   |  |  | med | 0.570 | 1.056 | 0.972 | 1.067 | 1.016 |
|  | *P to all 1.8* |  |  | *1.85* | *1.70* | *1.87* | *1.78* |
| 281 | 65 |   | I | 1.167 | 0.862 | 0.784 | 0.621 | 0.815 |
|   |  |  | II | 1.140 | 0.822 | 0.756 | 0.599 | 0.811 |
|   |  |  | med | 1.154 | 0.842 | 0.770 | 0.610 | 0.813 |
|  | **P to all 1.52** |  |  | **1.370** | **1.498** | **1.891** | **1.419** |
| 1 | 66 |   | I | 0.122 | 1.056 | 1.025 | 1.011 | 1.336 |
|   |  |  | II | 0.119 | 1.095 | 1.060 | 0.884 | 1.217 |
|   |  |  | med | 0.121 | 1.076 | 1.043 | 0.948 | 1.277 |
|  | *P to all 9.01* |  |  | *8.93* | *8.65* | *7.86* | *10.59* |
| 164 | 67 |   | I | 0.592 | 1.409 | 1.221 | 1.042 | 1.427 |
|   |  |  | II | 0.667 | 1.355 | 1.307 | 0.958 | 1.506 |
|   |  |  | med | 0.630 | 1.382 | 1.264 | 1.000 | 1.467 |
|  | *P to all 2.03* |  |  | *2.20* | *2.01* | *1.59* | *2.33* |
| 165 | 68 |  | I | 1.374 | 0.711 | 0.599 | 0.677 | 0.610 |
|   |  |  | II | 1.432 | 0.683 | 0.621 | 0.645 | 0.698 |
|   |  |  | med | 1.403 | 0.697 | 0.610 | 0.661 | 0.654 |
|  | **P to all 2.14** |  |  | **2.013** | **2.300** | **2.123** | **2.145** |
| 199 | 69 |   | I | 0.400 | 0.874 | 0.854 | 0.887 | 0.878 |
|   |  |  | II | 0.425 | 0.820 | 0.897 | 0.898 | 0.804 |
|   |  |  | med | 0.413 | 0.847 | 0.876 | 0.893 | 0.841 |
|  | *P to all 2.09* |  |  | *2.05* | *2.12* | *2.16* | *2.04* |
| 121 | 70 |   | I | 0.458 | 1.200 | 0.919 | 0.775 | 1.149 |
|   |  |  | II | 0.409 | 1.087 | 1.037 | 0.907 | 0.975 |
|   |  |  | med | 0.434 | 1.144 | 0.978 | 0.841 | 1.062 |
|  | *P to all 2.32* |  |  | *2.64* | *2.26* | *1.94* | *2.45* |
| 147 | 71 |   | I | 2.183 | 0.868 | 0.964 | 1.137 | 1.156 |
|   |  |  | II | 1.962 | 0.862 | 1.067 | 1.030 | 1.124 |
|   |  |  | med | 2.073 | 0.865 | 1.016 | 1.084 | 1.140 |
|  | **P to all 2.02** |  |  | **2.396** | **2.041** | **1.913** | **1.818** |
| 479 | 72 |   | I | 0.779 | 0.979 | 1.117 | 0.955 | 1.168 |
|   |  |  | II | 0.736 | 1.034 | 1.078 | 0.990 | 1.140 |
|   |  |  | med | 0.758 | 1.007 | 1.098 | 0.973 | 1.154 |
|   | P to all | 1.4 |   |   | 1.33 | 1.45 | 1.28 | 1.52 |
| 106 | 73 |   | I | 1.445 | 0.722 | 0.934 | 0.939 | 0.523 |
|   |  |  | II | 1.514 | 0.673 | 1.047 | 0.877 | 0.567 |
|   |  |  | med | 1.480 | 0.698 | 0.991 | 0.908 | 0.545 |
|  | **P to all 1.88** |  |  | **2.121** | **1.494** | **1.629** | **2.715** |
| 327 | 74 |   | I | 0.635 | 1.082 | 1.072 | 1.215 | 0.993 |
|   |  |  | II | 0.672 | 1.038 | 1.122 | 1.132 | 1.055 |
|   |  |  | med | 0.654 | 1.060 | 1.097 | 1.174 | 1.024 |
|  | *P to all 1.67* |  |  | *1.62* | *1.68* | *1.80* | *1.57* |
| 260 | 75 |   | I | 0.947 | 1.176 | 1.090 | 0.616 | 1.233 |
|   |  |  | II | 0.886 | 1.172 | 1.091 | 0.640 | 1.228 |
|   |  |  | med | 0.917 | 1.174 | 1.091 | 0.628 | 1.231 |
|   | P to all 1.12 |   |   | 1.28 | 1.19 | 0.69 | 1.34 |
| 118 | 76 |   | I | 1.171 | 0.610 | 0.876 | 0.870 | 0.458 |
|   |  |  | II | 1.198 | 0.608 | 0.886 | 0.836 | 0.439 |
|   |  |  | med | 1.185 | 0.609 | 0.881 | 0.853 | 0.449 |
|  | **P to all 1.7** |  |  | **1.945** | **1.344** | **1.389** | **2.641** |
| 537 | 77 |   | I | 0.691 | 0.873 | 0.949 | 1.012 | 0.999 |
|   |  |  | II | 0.713 | 0.870 | 0.967 | 0.996 | 0.967 |
|   |  |  | med | 0.702 | 0.872 | 0.958 | 1.004 | 0.983 |
|   | P to all 1.36 |   |   | 1.24 | 1.36 | 1.43 | 1.40 |
| 74 | 78 |   | I | 1.455 | 0.729 | 1.005 | 0.858 | 0.460 |
|   |  |  | II | 1.404 | 0.717 | 0.968 | 0.860 | 0.448 |
|   |  |  | med | 1.430 | 0.723 | 0.987 | 0.859 | 0.454 |
|  | **P to all 1.89** |  |  | **1.977** | **1.449** | **1.664** | **3.149** |
| 132 | 79 |   | I | 0.580 | 1.192 | 1.275 | 1.264 | 1.464 |
|   |  |  | II | 0.645 | 1.178 | 1.316 | 1.242 | 1.658 |
|   |  |  | med | 0.613 | 1.185 | 1.296 | 1.253 | 1.561 |
|  | *P to all 2.16* |  |  | *1.93* | *2.12* | *2.05* | *2.55* |
| 406 | 80 |   | I | 0.925 | 1.380 | 1.210 | 1.300 | 1.357 |
|   |  |  | II | 0.893 | 1.301 | 1.304 | 1.171 | 1.637 |
|   |  |  | med | 0.909 | 1.341 | 1.257 | 1.236 | 1.497 |
|   | P to all 1.47 |   |   | 1.47 | 1.38 | 1.36 | 1.65 |
| 145 | 81 |   | I | 0.441 | 1.083 | 0.971 | 0.791 | 1.078 |
|   |  |  | II | 0.444 | 1.048 | 0.987 | 0.778 | 1.045 |
|  |  |  | med | 0.443 | 1.066 | 0.979 | 0.785 | 1.062 |
|  | *P to all 2.2* |  |  | *2.41* | *2.21* | *1.77* | *2.40* |
| 101 | 82 |   | I | 1.513 | 0.786 | 1.066 | 1.040 | 0.556 |
|   |  |  | II | 1.473 | 0.778 | 1.014 | 0.980 | 0.528 |
|   |  |  | med | 1.493 | 0.782 | 1.040 | 1.010 | 0.542 |
|  | **P to all 1.77** |  |  | **1.909** | **1.436** | **1.478** | **2.755** |
| 102 | 83 |   | I | 0.475 | 0.920 | 1.179 | 1.067 | 1.300 |
|   |  |  | II | 0.444 | 1.033 | 1.117 | 1.081 | 1.252 |
|   |  |  | med | 0.460 | 0.977 | 1.148 | 1.074 | 1.276 |
|  | *P to all 2.43* |  |  | *2.13* | *2.50* | *2.34* | *2.78* |
| 421 | 84 |   | I | 0.765 | 1.237 | 0.951 | 1.257 | 0.965 |
|   |  |  | II | 0.763 | 1.214 | 0.965 | 1.214 | 1.031 |
|   |  |  | med | 0.764 | 1.226 | 0.958 | 1.236 | 0.998 |
|   | P to all 1.45 |   |   | 1.60 | 1.25 | 1.62 | 1.31 |
| 184 | 85 |   | I | 1.389 | 0.723 | 1.003 | 0.974 | 0.631 |
|   |  |  | II | 1.370 | 0.735 | 1.031 | 0.938 | 0.622 |
|   |  |  | med | 1.380 | 0.729 | 1.017 | 0.956 | 0.627 |
|  | **P to all 1.66** |  |  | **1.892** | **1.356** | **1.443** | **2.202** |
| 387 | 86 |   | I | 0.618 | 0.625 | 0.903 | 1.075 | 0.853 |
|   |  |  | II | 0.628 | 0.633 | 0.958 | 1.018 | 0.847 |
|   |  |  | med | 0.623 | 0.629 | 0.931 | 1.047 | 0.850 |
|   | P to all 1.38 |  |   | 1.01 | 1.49 | 1.68 | 1.36 |
| 491 | 87 |   | I | 0.674 | 0.984 | 0.899 | 0.746 | 0.989 |
|   |  |  | II | 0.643 | 0.998 | 0.871 | 0.751 | 0.956 |
|   |  |  | med | 0.659 | 0.991 | 0.885 | 0.749 | 0.973 |
|   | P to all 1.37 |   |   | 1.50 | 1.34 | 1.14 | 1.48 |
| 251 | 88 |  | I | 0.791 | 1.244 | 1.432 | 1.154 | 1.201 |
|   |  |  | II | 0.710 | 1.388 | 1.554 | 1.263 | 1.173 |
|   |  |  | med | 0.751 | 1.316 | 1.493 | 1.209 | 1.187 |
|  | *P to all 1.73* |  |  | *1.75* | *1.99* | *1.61* | *1.58* |
| 91 | 89 |   | I | 1.708 | 0.925 | 1.318 | 1.170 | 0.571 |
|   |  |  | II | 1.595 | 0.951 | 1.320 | 1.115 | 0.571 |
|   |  |  | med | 1.652 | 0.938 | 1.319 | 1.143 | 0.571 |
|  | **P to all 1.66** |  |  | **1.761** | **1.252** | **1.446** | **2.892** |
| 283 | 90 |   | I | 1.330 | 0.730 | 1.019 | 1.021 | 0.718 |
|   |  |  | II | 1.297 | 0.759 | 1.047 | 1.024 | 0.679 |
|   |  |  | med | 1.314 | 0.745 | 1.033 | 1.023 | 0.699 |
|  | **P to all 1.5** |  |  | **1.764** | **1.272** | **1.285** | **1.880** |
| 487 | 91 |   | I | 1.669 | 1.716 | 1.495 | 1.109 | 1.591 |
|   |  |  | II | 1.499 | 1.808 | 1.472 | 1.166 | 1.508 |
|   |  |  | med | 1.584 | 1.762 | 1.484 | 1.138 | 1.550 |
|   | P to all 1.07 |   |   | 0.899 | 1.068 | 1.393 | 1.022 |
| 263 | 92 |   | I | 0.764 | 1.300 | 1.445 | 1.266 | 1.361 |
|   |  |  | II | 0.739 | 1.287 | 1.452 | 1.208 | 1.419 |
|   |  |  | med | 0.752 | 1.294 | 1.449 | 1.237 | 1.390 |
|  | *P to all 1.79* |  |  | *1.72* | *1.93* | *1.65* | *1.85* |
| 477 | 93 |   | I | 1.460 | 1.557 | 1.102 | 1.250 | 1.463 |
|   |  |  | II | 1.324 | 1.726 | 1.071 | 1.263 | 1.463 |
|   |  |  | med | 1.392 | 1.642 | 1.087 | 1.257 | 1.463 |
|   | P to all 0.98 |   |   | 1.18 | 0.78 | 0.90 | 1.05 |
| 663 | 94 |  | I | 1.129 | 1.268 | 1.352 | 1.170 | 1.160 |
|   |  |  | II | 1.061 | 1.294 | 1.326 | 1.179 | 1.152 |
|   |  |  | med | 1.095 | 1.281 | 1.339 | 1.175 | 1.156 |
|   | P to all 1.13 |   |   | 1.17 | 1.22 | 1.07 | 1.06 |
| 631 | 95 |   | I | 1.089 | 1.124 | 1.346 | 1.292 | 1.362 |
|   |  |  | II | 0.991 | 1.172 | 1.330 | 1.338 | 1.340 |
|   |  |  | med | 1.040 | 1.148 | 1.338 | 1.315 | 1.351 |
|   | P to all 1.24 |   |   | 1.10 | 1.29 | 1.26 | 1.30 |
| 416 | 96 |   | I | 0.675 | 0.691 | 0.888 | 1.088 | 0.913 |
|   |  |  | II | 0.689 | 0.680 | 0.883 | 1.119 | 0.948 |
|   |  |  | med | 0.682 | 0.686 | 0.886 | 1.104 | 0.931 |
|   | P to all 1.32 |   |   | 1.01 | 1.30 | 1.62 | 1.36 |

Spot rank: Rank of spot as assigned by Same Spots Software depending on fold change (normalized volume) comparing the highest to lowest sample

Pick #: Sequence in which spots were excised from gel depending on spot intensity (from lowest to highest)

Roman Numerals: Normalized volume measured in replicate runs one (I) and two (II)

Med: Average of normalized volume measured in replicate runs one (I) and two (II)

Fold Change P to all: Expression level (normalized volume) of patient sample compared to the average of all other samples combined;

 Last row of columns also shows fold change comparing patient to sample indicated in header of column (Mother, Father, Control, Standard)

Formatting: Bold: Patient upregulated Italic: Patient downregulated

 No special formatting: Fold change “P to all” does not exceed 1.5 fold