

Additional file 6. Means, standard deviations (SD), and minimum and maximum values of the log of the of the proportion of sequence reads for each IgA taxon. The sample size = 300 in all cases.

| IgA | Mean | SD | Minimum | Maximum |
|------|--------|-------|---------|---------|
| B30 | -2.101 | 0.339 | -3.298 | -1.092 |
| B44 | -2.123 | 0.448 | -3.800 | -1.156 |
| B45 | -1.864 | 0.378 | -3.077 | -0.712 |
| B76 | -1.617 | 0.337 | -2.556 | -0.523 |
| B41 | -1.453 | 0.268 | -2.232 | -0.629 |
| B88 | -1.543 | 0.472 | -3.027 | -0.449 |
| B89 | -1.383 | 0.313 | -2.396 | -0.271 |
| B59 | -1.226 | 0.237 | -1.987 | -0.598 |
| B178 | -2.360 | 0.359 | -3.379 | -1.263 |
| B244 | -2.281 | 0.472 | -3.743 | -1.187 |
| B48 | -2.088 | 0.462 | -3.901 | -0.901 |
| B57 | -1.989 | 0.383 | -3.227 | -0.789 |
| B23 | -2.322 | 0.398 | -3.692 | -1.200 |
| B212 | -2.121 | 0.418 | -3.815 | -0.824 |
| B11 | -2.146 | 0.519 | -4.305 | -0.480 |
| B17 | -1.814 | 0.427 | -3.828 | -0.760 |
| B75 | -1.787 | 0.477 | -4.200 | -0.482 |
| B37 | -1.593 | 0.549 | -3.928 | -0.425 |
| B200 | -2.421 | 0.414 | -4.074 | -1.353 |
| B14 | -2.406 | 0.434 | -3.803 | -1.138 |
| B80 | -2.409 | 0.485 | -3.817 | -1.053 |
| B42 | -2.228 | 0.525 | -3.572 | -0.830 |
| B71 | -2.094 | 0.511 | -4.081 | -0.879 |
| B172 | -2.062 | 0.448 | -3.771 | -1.018 |
| B198 | -2.553 | 0.409 | -3.713 | -1.560 |
| B91 | -1.906 | 0.506 | -4.353 | -1.069 |
| B72 | -1.930 | 0.612 | -4.034 | -0.661 |
| B54 | -2.323 | 0.482 | -3.558 | -0.607 |
| B87 | -2.049 | 0.654 | -3.793 | -0.305 |
| B67 | -2.530 | 0.495 | -4.185 | -1.096 |
| B15 | -2.503 | 0.509 | -4.208 | -1.059 |
| B78 | -2.332 | 0.576 | -4.194 | -0.821 |
| B93 | -1.812 | 0.746 | -4.193 | -0.076 |
| B61 | -2.046 | 0.668 | -4.150 | -0.394 |
| B79 | -2.018 | 0.712 | -4.231 | 0.015 |
| B73 | -2.735 | 0.509 | -4.228 | -1.345 |
| B43 | -2.506 | 0.641 | -4.500 | -1.118 |
| B195 | -1.974 | 0.658 | -4.456 | -0.742 |
| B55 | -2.698 | 0.559 | -4.587 | -1.370 |
| B50 | -2.583 | 0.656 | -4.370 | -0.596 |

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|------|--------|-------|--------|--------|
| B46 | -2.022 | 0.797 | -4.664 | -0.597 |
| B33 | -2.812 | 0.495 | -4.214 | -1.089 |
| B92 | -2.367 | 0.747 | -4.241 | -0.560 |
| B64 | -2.753 | 0.639 | -4.401 | -1.353 |
| B60 | -2.448 | 0.745 | -4.298 | -0.594 |
| B82 | -2.823 | 0.559 | -4.435 | -1.153 |
| B182 | -2.911 | 0.486 | -4.266 | -1.465 |
| B10 | -1.840 | 0.927 | -4.539 | -0.450 |
| B40 | -2.885 | 0.551 | -4.479 | -0.847 |
| B153 | -1.938 | 0.932 | -4.884 | -0.377 |
| B122 | -3.187 | 0.414 | -4.492 | -1.943 |
| B234 | -3.201 | 0.492 | -4.652 | -1.729 |
| B83 | -3.192 | 0.519 | -4.573 | -1.425 |
| B114 | -2.582 | 0.819 | -4.934 | -0.601 |
| B237 | -3.272 | 0.535 | -4.773 | -1.450 |
| B194 | -3.209 | 0.593 | -4.585 | -1.682 |
| B197 | -3.269 | 0.581 | -4.734 | -1.606 |
| B217 | -2.944 | 0.693 | -4.913 | -1.216 |
| B223 | -3.096 | 0.633 | -4.810 | -1.345 |
| B81 | -3.217 | 0.548 | -4.872 | -1.850 |
| B47 | -3.177 | 0.623 | -4.722 | -1.112 |
| B63 | -3.119 | 0.683 | -4.770 | -1.412 |
| B218 | -3.086 | 0.693 | -5.082 | -1.567 |
| B189 | -3.253 | 0.577 | -4.510 | -1.649 |
| B207 | -3.065 | 0.684 | -5.061 | -1.600 |
| B175 | -3.268 | 0.632 | -4.761 | -1.518 |
| B196 | -3.383 | 0.582 | -4.821 | -1.645 |
