|         | HC mean | HC median | HC upQuantile | HC lowQuantile | W-value | P-value | W-value | P-value |
|---------|----------|------------|----------------|----------------|----------|----------|----------|----------|
| TRBJ1-1 | 13.3182263 | 12.1517782 | 14.6917337 | 10.038036 | 13.6272367 | 13.4773229 | 14.9981728 | 11.7594612 | 1.27E-11 |
| TRBJ1-2 | 17.7256701 | 16.6850423 | 20.162604 | 13.6539747 | 10.358888 | 10.0859658 | 11.6348392 | 8.7430343 | 6.44E-121 |
| TRBJ1-3 | 0.30006835 | 0.04142423 | 0.19990196 | 0.02019042 | 2.64710833 | 2.456887 | 2.82185243 | 2.16561668 | 1.68E-176 |
| TRBJ1-4 | 4.88724063 | 4.41591844 | 5.57241347 | 3.28493741 | 2.93322369 | 2.78934617 | 3.23444582 | 2.40430417 | 1.67E-65 |
| TRBJ1-5 | 6.18158715 | 5.73859762 | 7.16875804 | 4.54498093 | 5.06579752 | 4.85559748 | 5.48757388 | 4.36809639 | 5.20E-20 |
| TRBJ1-6 | 7.96494676 | 6.36406822 | 8.62612387 | 5.09614486 | 3.35950639 | 3.25326357 | 3.64599922 | 2.91942984 | 8.46E-154 |
| TRBJ2-1 | 9.32483878 | 8.67428278 | 10.8723073 | 6.81879811 | 12.8175628 | 12.6229123 | 14.2667116 | 11.4952684 | 8.26E-85 |
| TRBJ2-2 | 10.7290698 | 10.0533711 | 11.95682 | 8.02252063 | 10.3533491 | 9.92390461 | 11.1216634 | 9.08885127 | 0.4747509 |
| TRBJ2-3 | 8.18085408 | 7.83348716 | 9.28223541 | 6.36824472 | 9.73981073 | 9.39005651 | 10.2864595 | 8.59717186 | 1.04E-43 |
| TRBJ2-4 | 0.17209244 | 0.13418728 | 0.17729049 | 0.09604243 | 0.29902133 | 0.25825621 | 0.30063431 | 0.21382801 | 1.65E-112 |
| TRBJ2-5 | 4.09534279 | 3.83223856 | 4.79473167 | 3.10264305 | 5.9767869 | 5.80106964 | 6.48948423 | 5.21881526 | 2.99E-105 |
| TRBJ2-6 | 3.0867255 | 2.62432735 | 3.25545331 | 2.04997114 | 3.35645437 | 3.12620861 | 3.62914468 | 2.75180135 | 2.22E-29 |
| TRBJ2-7 | 14.0333373 | 13.6442457 | 16.1383385 | 11.0351162 | 19.4652542 | 19.7655329 | 21.4819663 | 17.6405306 | 2.82E-100 |

Supplement Table 3