

Supplemental Table 4 Cut-off values for quantitative data in comparison of steroid-refractory and response CIP

| ANC | | | | Albumin | | | | Ichikado CT score | | | |
|-------|-------------|-----------------|--------------|---------------|-------------|-----------------|--------------|-------------------|-------------|-----------------|--------------|
| Value | Sensitivity | 1 - specificity | Youden index | Value | Sensitivity | 1 - specificity | Youden index | Value | Sensitivity | 1 - specificity | Youden index |
| 0.100 | 1.000 | 1.000 | 0.000 | 18.900 | 0.000 | 0.000 | 0.000 | 99.000 | 1.000 | 1.000 | 0.000 |
| 1.380 | 0.962 | 1.000 | -0.038 | 21.900 | 0.000 | 0.028 | -0.028 | 100.850 | 1.000 | 0.973 | 0.027 |
| 1.825 | 0.962 | 0.973 | -0.011 | 24.250 | 0.000 | 0.056 | -0.056 | 102.500 | 0.926 | 0.973 | -0.047 |
| 2.070 | 0.962 | 0.946 | 0.016 | 24.750 | 0.040 | 0.056 | -0.016 | 104.150 | 0.926 | 0.946 | -0.020 |
| 2.210 | 0.923 | 0.946 | -0.023 | 25.300 | 0.040 | 0.083 | -0.043 | 105.850 | 0.889 | 0.838 | 0.051 |
| 2.395 | 0.923 | 0.919 | 0.004 | 26.250 | 0.080 | 0.083 | -0.003 | 107.500 | 0.889 | 0.784 | 0.105 |
| 2.665 | 0.923 | 0.892 | 0.031 | 26.900 | 0.120 | 0.111 | 0.009 | 109.150 | 0.815 | 0.757 | 0.058 |
| 2.895 | 0.923 | 0.865 | 0.058 | 27.150 | 0.120 | 0.139 | -0.019 | 110.850 | 0.778 | 0.649 | 0.129 |
| 3.105 | 0.885 | 0.865 | 0.020 | 27.350 | 0.160 | 0.139 | 0.021 | 112.500 | 0.667 | 0.568 | 0.099 |
| 3.245 | 0.846 | 0.865 | -0.019 | 27.650 | 0.200 | 0.139 | 0.061 | 114.150 | 0.556 | 0.514 | 0.042 |
| 3.295 | 0.846 | 0.838 | 0.008 | 28.000 | 0.240 | 0.139 | 0.101 | 115.850 | 0.556 | 0.486 | 0.069 |
| 3.365 | 0.808 | 0.838 | -0.030 | 28.300 | 0.280 | 0.139 | 0.141 | 117.500 | 0.556 | 0.432 | 0.123 |
| 3.445 | 0.808 | 0.811 | -0.003 | 28.600 | 0.360 | 0.139 | 0.221 | 119.150 | 0.519 | 0.405 | 0.113 |
| 3.685 | 0.808 | 0.784 | 0.024 | 28.900 | 0.360 | 0.167 | 0.193 | 120.850 | 0.519 | 0.351 | 0.167 |
| 3.925 | 0.808 | 0.730 | 0.078 | 29.250 | 0.400 | 0.167 | 0.233 | 124.200 | 0.481 | 0.351 | 0.130 |
| 3.975 | 0.808 | 0.703 | 0.105 | 30.300 | 0.400 | 0.194 | 0.206 | 129.200 | 0.481 | 0.324 | 0.157 |
| 3.985 | 0.808 | 0.676 | 0.132 | 31.250 | 0.440 | 0.194 | 0.246 | 132.500 | 0.481 | 0.297 | 0.184 |
| 4.000 | 0.808 | 0.649 | 0.159 | 31.350 | 0.480 | 0.194 | 0.286 | 135.000 | 0.481 | 0.270 | 0.211 |
| 4.095 | 0.808 | 0.622 | 0.186 | 31.900 | 0.480 | 0.222 | 0.258 | 140.000 | 0.444 | 0.243 | 0.201 |
| 4.200 | 0.808 | 0.595 | 0.213 | 32.450 | 0.560 | 0.250 | 0.310 | 144.150 | 0.444 | 0.216 | 0.228 |
| 4.225 | 0.808 | 0.568 | 0.240 | 32.600 | 0.560 | 0.278 | 0.282 | 145.850 | 0.407 | 0.216 | 0.191 |
| 4.280 | 0.769 | 0.568 | 0.202 | 32.850 | 0.560 | 0.306 | 0.254 | 148.350 | 0.370 | 0.162 | 0.208 |
| 4.500 | 0.769 | 0.541 | 0.229 | 33.100 | 0.600 | 0.306 | 0.294 | 150.850 | 0.296 | 0.162 | 0.134 |
| 4.725 | 0.769 | 0.514 | 0.256 | 33.400 | 0.680 | 0.306 | 0.374 | 154.200 | 0.259 | 0.162 | 0.097 |
| 4.810 | 0.769 | 0.486 | 0.283 | 33.650 | 0.680 | 0.333 | 0.347 | 157.500 | 0.259 | 0.135 | 0.124 |
| 4.875 | 0.769 | 0.459 | 0.310 | 33.850 | 0.680 | 0.361 | 0.319 | 163.300 | 0.222 | 0.135 | 0.087 |
| 5.050 | 0.769 | 0.432 | 0.337 | 34.100 | 0.680 | 0.389 | 0.291 | 171.650 | 0.185 | 0.108 | 0.077 |
| 5.250 | 0.769 | 0.405 | 0.364 | 34.350 | 0.720 | 0.389 | 0.331 | 176.650 | 0.185 | 0.081 | 0.104 |
| 5.320 | 0.769 | 0.378 | 0.391 | 34.900 | 0.720 | 0.444 | 0.276 | 180.800 | 0.148 | 0.081 | 0.067 |
| 5.550 | 0.731 | 0.378 | 0.352 | 35.550 | 0.720 | 0.472 | 0.248 | 187.500 | 0.111 | 0.054 | 0.057 |
| 5.910 | 0.692 | 0.378 | 0.314 | 36.150 | 0.720 | 0.500 | 0.220 | 193.350 | 0.111 | 0.027 | 0.084 |
| 6.175 | 0.692 | 0.351 | 0.341 | 36.600 | 0.720 | 0.528 | 0.192 | 209.150 | 0.111 | 0.000 | 0.111 |
| 6.405 | 0.692 | 0.324 | 0.368 | 36.750 | 0.760 | 0.528 | 0.232 | 245.000 | 0.074 | 0.000 | 0.074 |
| 6.515 | 0.692 | 0.297 | 0.395 | 36.850 | 0.800 | 0.528 | 0.272 | 310.000 | 0.037 | 0.000 | 0.037 |
| 6.650 | 0.654 | 0.297 | 0.357 | 36.950 | 0.800 | 0.556 | 0.244 | 354.300 | 0.000 | 0.000 | 0.000 |

| | | | | | | | |
|--------------|-------|-------|--------------|--------|-------|-------|-------|
| 6.785 | 0.654 | 0.270 | 0.384 | 37.200 | 0.840 | 0.583 | 0.257 |
| 6.845 | 0.615 | 0.270 | 0.345 | 37.650 | 0.840 | 0.611 | 0.229 |
| 7.005 | 0.615 | 0.243 | 0.372 | 38.000 | 0.840 | 0.639 | 0.201 |
| 7.155 | 0.615 | 0.216 | 0.399 | 38.200 | 0.840 | 0.667 | 0.173 |
| 7.250 | 0.577 | 0.216 | 0.361 | 38.400 | 0.880 | 0.667 | 0.213 |
| 7.360 | 0.538 | 0.216 | 0.322 | 38.550 | 0.880 | 0.694 | 0.186 |
| 7.515 | 0.538 | 0.189 | 0.349 | 38.700 | 0.920 | 0.694 | 0.226 |
| 7.665 | 0.538 | 0.162 | 0.376 | 38.950 | 0.960 | 0.694 | 0.266 |
| 7.785 | 0.500 | 0.162 | 0.338 | 39.350 | 0.960 | 0.722 | 0.238 |
| 8.025 | 0.462 | 0.162 | 0.299 | 39.650 | 0.960 | 0.750 | 0.210 |
| 8.300 | 0.423 | 0.162 | 0.261 | 39.950 | 0.960 | 0.778 | 0.182 |
| 8.840 | 0.423 | 0.135 | 0.288 | 40.550 | 0.960 | 0.806 | 0.154 |
| 9.435 | 0.385 | 0.135 | 0.249 | 41.100 | 0.960 | 0.833 | 0.127 |
| 9.675 | 0.346 | 0.135 | 0.211 | 41.500 | 1.000 | 0.833 | 0.167 |
| 9.775 | 0.346 | 0.108 | 0.238 | 41.800 | 1.000 | 0.889 | 0.111 |
| 9.895 | 0.308 | 0.108 | 0.200 | 42.750 | 1.000 | 0.917 | 0.083 |
| 10.035 | 0.269 | 0.108 | 0.161 | 45.550 | 1.000 | 0.944 | 0.056 |
| 10.075 | 0.231 | 0.108 | 0.123 | 48.500 | 1.000 | 1.000 | 0.000 |
| 10.165 | 0.192 | 0.108 | 0.084 | | | | |
| 10.350 | 0.154 | 0.108 | 0.046 | | | | |
| 10.795 | 0.154 | 0.081 | 0.073 | | | | |
| 12.170 | 0.154 | 0.054 | 0.100 | | | | |
| 13.440 | 0.154 | 0.027 | 0.127 | | | | |
| 13.705 | 0.115 | 0.027 | 0.088 | | | | |
| 13.925 | 0.115 | 0.000 | 0.115 | | | | |
| 14.365 | 0.077 | 0.000 | 0.077 | | | | |
| 16.355 | 0.038 | 0.000 | 0.038 | | | | |
| 19.100 | 0.000 | 0.000 | 0.000 | | | | |

The largest Youden index and corresponding value are bolded.

CIP, checkpoint inhibitor pneumonitis; ANC, absolute neutrophil count.
