**Table S1.** Pearson's r values for colocalization of IgG or IgA with kappa or lambda light chains for individual samples.

| **Sample ID #** | **Pearson's r IgG** | | **Pearson's r IgA** | |
|---|---|---|---|---|
| | kappa | lambda | kappa | lambda |
| 1 | 0.400 (0.316) | 0.362 (0.308) | 0.711 (0.159) | 0.802 (0.182) |
| 2 | 0.580 (0.257) | 0.448 (0.286) | 0.801 (0.123) | 0.848 (0.117) |
| 3 | 0.884 (0.086) | 0.614 (0.230) | 0.615 (0.170) | 0.876 (0.080) |
| 4 | 0.730 (0.199) | 0.504 (0.265) | 0.715 (0.132) | 0.844 (0.080) |
| 5 | 0.535 (0.234) | 0.522 (0.253) | 0.779 (0.148) | 0.858 (0.102) |
| 6 | 0.468 (0.325) | 0.435 (0.289) | 0.494 (0.181) | 0.848 (0.099) |
| 7 | 0.697 (0.154) | 0.519 (0.189) | 0.836 (0.109) | 0.872 (0.098) |
| 8 | 0.658 (0.164) | 0.478 (0.268) | 0.758 (0.147) | 0.828 (0.120) |
| 9 | 0.777 (0.117) | 0.588 (0.223) | 0.735 (0.124) | 0.860 (0.095) |
| 10 | 0.800 (0.177) | 0.853 (0.158) | 0.859 (0.071) | 0.823 (0.151) |
| 11 | 0.751 (0.151) | 0.283 (0.280) | 0.831 (0.110) | 0.874 (0.073) |
| 12 | 0.438 (0.177) | 0.519 (0.230) | 0.843 (0.077) | 0.709 (0.141) |
| 13 | 0.274 (0.310) | 0.442 (0.314) | NA | NA |
| 14 | 0.441 (0.321) | 0.530 (0.268) | 0.730 (0.130) | 0.768 (0.129) |
| 15 | 0.577 (0.218) | 0.713 (0.177) | 0.890 (0.069) | 0.890 (0.089) |
| 16 | 0.597 (0.179) | 0.775 (0.137) | 0.824 (0.107) | 0.824 (0.123) |
| 17 | 0.559 (0.236) | 0.258 (0.317) | 0.841 (0.072) | 0.835 (0.088) |
| 18 | 0.507 (0.202) | 0.532 (0.228) | 0.866 (0.077) | 0.883 (0.073) |
| 19 | 0.580 (0.176) | 0.544 (0.204) | 0.815 (0.141) | 0.908 (0.084) |
| 20 | 0.539 (0.221) | 0.535 (0.221) | 0.853 (0.097) | 0.880 (0.107) |

Pearson's r values are shown as mean (+/- SD) values.

NA: not analyzed, sample without glomerulus.