### Supplemental Table S2.

|                          | Number of reads | Average read size | N50 read size | Largest read |
|--------------------------|-----------------|------------------|---------------|--------------|
| VRES0259 (pass)          | 3782            | 2980             | 5726          | 23822        |
| VRES0259 (fail)          | 148594          | 2825             | 6115          | 962097       |
| VRES0259 (all)           | 152376          | 2829             | 6109          | 962097       |
| VRES0269 (pass)          | 30970           | 4832             | 7373          | 53435        |
| VRES0269 (fail)          | 43193           | 3855             | 6176          | 242451       |
| VRES0269 (all)           | 74163           | 4424             | 7013          | 242451       |
| VRES0273 (pass)          | 43260           | 5357             | 7032          | 42042        |
| VRES0273 (fail)          | 21237           | 3768             | 6878          | 420073       |
| VRES0273 (all)           | 64497           | 4834             | 6997          | 420073       |