Supplementary Table 2. Read lengths.

| ID | Raw reads | Reads after trimming | Mapped reads |
|---|---|---|---|
| 1-PRERT | 18,058,563 | 16,733,633 (92.66) | 16,364,242 (97.79) |
| 1-POSTRT | 20,301,918 | 18,765,530 (92.43) | 18,239,808 (97.20) |
| 2-PRERT | 16,825,688 | 15,542,904 (92.38) | 15,178,983 (97.66) |
| 2-POSTRT | 18,838,467 | 17,544,965 (93.13) | 17,072,947 (97.31) |
| 3-PRERT | 16,907,244 | 15,676,022 (92.72) | 15,333,695 (97.82) |
| 3-POSTRT | 20,538,117 | 19,021,628 (92.62) | 18,565,691 (97.60) |
| 4-PRERT | 18,861,843 | 17,519,576 (92.88) | 17,175,773 (98.04) |
| 4-POSTRT | 19,061,963 | 17,662,984 (92.66) | 17,254,851 (97.69) |
| 5-PRERT | 17,305,382 | 16,216,182 (93.71) | 15,913,698 (98.13) |
| 5-POSTRT | 17,803,704 | 16,501,411 (92.69) | 16,000,822 (96.97) |
| 6-PRERT | 18,461,008 | 16,971,725 (91.93) | 16,609,666 (97.87) |
| 6-POSTRT | 19,629,324 | 18,158,133 (92.51) | 17,711,303 (97.54) |
| 7-PRERT | 17,973,926 | 16,020,523 (89.13) | 15,631,032 (97.57) |
| 7-POSTRT | 18,535,525 | 17,099,368 (92.25) | 16,661,351 (97.44) |
| 8-PRERT | 17,792,102 | 16,057,480 (90.25) | 15,706,844 (97.82) |
| 8-POSTRT | 17,698,298 | 16,334,788 (92.30) | 15,803,813 (96.75) |
| 10-PRERT | 17,996,452 | 16,730,855 (92.97) | 16,390,228 (97.96) |
| 10-POSTRT | 19,363,116 | 17,885,076 (92.37) | 17,454,124 (97.59) |
| 12-PRERT | 18,641,037 | 17,177,027 (92.15) | 16,753,695 (97.54) |
| 12-POSTRT | 16,671,573 | 13,756,025 (82.51) | 13,098,322 (95.22) |
| 14-PRERT | 18,552,789 | 16,459,995 (88.72) | 15,759,179 (95.74) |
| 14-POSTRT | 21,771,211 | 20,579,574 (94.53) | 20,220,822 (98.26) |

Note: the minimum length of reads to be dropped was 38 bp.