Supplementary Table S2.

| read_length | linear_transcript_coverage | BWA-MEM '-T' | find_circ | | | CIRI | | | CIRI2 | | | CIRCplus | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | sensitivity | precision | F1-score | sensitivity | precision | F1-score | sensitivity | precision | F1-score | sensitivity | precision | F1-score |
| 40 | 10 | default | 0.11 | 0.99 | 0.198 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.77 | 0.5264957 |
| | | -T19 | | | | 0.36 | 0.89 | 0.5089809 | 0.33 | 0.98 | 0.4937405 | 0.58 | 0.83 | 0.6828369 |
| | 30 | default | 0.12 | 0.99 | 0.2140541 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.52 | 0.4521739 |
| | | -T19 | | | | 0.35 | 0.89 | 0.5068391 | 0.32 | 0.98 | 0.4824615 | 0.55 | 0.53 | 0.5398148 |
| | 50 | default | 0.11 | 0.98 | 0.1977982 | 0 | 0 | 0 | 0 | 0 | 0 | 0.37 | 0.50 | 0.4252874 |
| | | -T19 | | | | 0.31 | 0.76 | 0.4422517 | 0.28 | 0.98 | 0.4355556 | 0.56 | 0.42 | 0.48 |
| | 70 | default | 0.13 | 0.99 | 0.2298214 | 0 | 0 | 0 | 0 | 0 | 0 | 0.42 | 0.37 | 0.3934177 |
| | | -T19 | | | | 0.3 | 0.78 | 0.4333333 | 0.29 | 0.98 | 0.4475591 | 0.58 | 0.47 | 0.5192381 |
| 50 | 10 | default | 0.34 | 0.99 | 0.5061654 | 0 | 0 | 0 | 0 | 0 | 0 | 0.60 | 0.90 | 0.72 |
| | | -T19 | | | | 0.52 | 0.93 | 0.6657122 | 0.49 | 0.98 | 0.6533333 | 0.65 | 0.85 | 0.7366667 |
| | 30 | default | 0.44 | 0.99 | 0.6092308 | 0 | 0 | 0 | 0 | 0 | 0 | 0.67 | 0.82 | 0.7374497 |
| | | -T19 | | | | 0.57 | 0.84 | 0.6820325 | 0.56 | 0.98 | 0.7127273 | 0.70 | 0.88 | 0.7797468 |
| | 50 | default | 0.45 | 0.99 | 0.61875 | 0 | 0 | 0 | 0 | 0 | 0 | 0.67 | 0.80 | 0.7292517 |
| | | -T19 | | | | 0.63 | 0.78 | 0.696325 | 0.55 | 0.99 | 0.7071429 | 0.77 | 0.80 | 0.7847134 |
| | 70 | default | 0.39 | 0.99 | 0.5595652 | 0 | 0 | 0 | 0 | 0 | 0 | 0.48 | 0.58 | 0.525283 |
| | | -T19 | | | | 0.55 | 0.80 | 0.6543967 | 0.52 | 0.98 | 0.6794667 | 0.56 | 0.54 | 0.5498182 |
| 60 | 10 | default | 0.50 | 0.99 | 0.6644295 | 0.15 | 0.90 | 0.2585278 | 0.13 | 0.98 | 0.2295495 | 0.73 | 0.93 | 0.8179518 |
| | 30 | default | 0.52 | 0.99 | 0.6818543 | 0.12 | 0.75 | 0.2051282 | 0.12 | 0.98 | 0.2138182 | 0.72 | 0.82 | 0.7667532 |
| | 50 | default | 0.51 | 0.99 | 0.6732 | 0.12 | 0.78 | 0.2113821 | 0.12 | 0.98 | 0.2138182 | 0.69 | 0.77 | 0.7278082 |
| | 70 | default | 0.47 | 0.99 | 0.6373973 | 0.14 | 0.60 | 0.2327837 | 0.14 | 0.98 | 0.245 | 0.69 | 0.67 | 0.6798529 |
| 80 | 10 | default | 0.61 | 0.99 | 0.754875 | 0.55 | 0.90 | 0.6808607 | 0.53 | 0.98 | 0.687947 | 0.77 | 0.92 | 0.8383432 |
| | 30 | default | 0.60 | 0.99 | 0.7471698 | 0.63 | 0.84 | 0.7193303 | 0.57 | 0.98 | 0.7207742 | 0.75 | 0.85 | 0.796875 |
| | 50 | default | 0.58 | 0.99 | 0.731465 | 0.68 | 0.88 | 0.7688675 | 0.59 | 0.98 | 0.7365605 | 0.80 | 0.85 | 0.8242424 |
| | 70 | default | 0.56 | 0.99 | 0.7153548 | 0.60 | 0.84 | 0.7033201 | 0.54 | 0.98 | 0.6963158 | 0.77 | 0.81 | 0.7894937 |
| 100 | 10 | default | 0.58 | 0.99 | 0.731465 | 0.67 | 0.89 | 0.7660561 | 0.65 | 0.99 | 0.7847561 | 0.80 | 0.90 | 0.8470588 |
| | 30 | default | 0.35 | 0.98 | 0.5157895 | 0.69 | 0.85 | 0.7629375 | 0.66 | 0.99 | 0.792 | 0.78 | 0.83 | 0.8042236 |
| | 50 | default | 0.61 | 0.99 | 0.7529643 | 0.72 | 0.84 | 0.7739515 | 0.68 | 0.99 | 0.8062275 | 0.77 | 0.85 | 0.8080247 |
| | 70 | default | 0.59 | 0.99 | 0.7393671 | 0.69 | 0.83 | 0.7524394 | 0.67 | 0.98 | 0.7958788 | 0.78 | 0.82 | 0.7995 |
| 125 | 10 | default | 0.54 | 0.99 | 0.6988235 | 0.69 | 0.95 | 0.7968127 | 0.75 | 0.98 | 0.849711 | 0.91 | 0.88 | 0.8947486 |
| | 30 | default | 0.60 | 0.99 | 0.7471698 | 0.75 | 0.92 | 0.8274583 | 0.69 | 0.98 | 0.8098204 | 0.79 | 0.77 | 0.7798718 |
| | 50 | default | 0.52 | 0.99 | 0.6818543 | 0.70 | 0.87 | 0.7735615 | 0.68 | 0.98 | 0.8028916 | 0.80 | 0.80 | 0.8 |
| | 70 | default | 0.59 | 0.99 | 0.7393671 | 0.72 | 0.89 | 0.7969264 | 0.71 | 0.98 | 0.823432 | 0.74 | 0.73 | 0.734966 |
| 150 | 10 | default | 0.46 | 0.98 | 0.6261111 | 0.71 | 0.95 | 0.8104628 | 0.68 | 0.98 | 0.8028916 | 0.85 | 0.84 | 0.8449704 |
| | 30 | default | 0.51 | 0.99 | 0.6732 | 0.70 | 0.88 | 0.781315 | 0.72 | 0.99 | 0.8336842 | 0.82 | 0.81 | 0.8149693 |
| | 50 | default | 0.46 | 0.99 | 0.6281379 | 0.73 | 0.88 | 0.8006499 | 0.70 | 0.98 | 0.8166667 | 0.79 | 0.80 | 0.7949686 |
| | 70 | default | 0.47 | 0.99 | 0.6373973 | 0.71 | 0.90 | 0.7910777 | 0.70 | 0.98 | 0.8166667 | 0.82 | 0.74 | 0.7779487 |