

| | Unmapped | MAPQ=0 | MAPQ=1 | MAPQ≥10 | Total Mapped |
|----------|------------|------------|------------|-------------|--------------|
| Bowtie2 | 17,666,223 | 7,077,301 | 23,133,412 | 469,936,740 | 520,327,073 |
| BWA | 3,144,866 | 30,380,300 | 6,36,145 | 499,499,571 | 534,848,430 |
| Hisat2 | 40,699,971 | 24,75,552 | 13,260,727 | 481,557,046 | 497,293,325 |
| Minimap2 | 6,437,382 | 25,090,222 | 12,280,957 | 486,945,308 | 531,555,914 |
| SNAP | 21,840,285 | 12,214,496 | 6,402,678 | 487,784,019 | 516,153,011 |
| URMAP | 15,914,042 | 22,774,825 | 1,437,461 | 487,160,133 | 522,079,254 |
| URMAPv | 39,858,685 | 19,150,939 | 1,243,423 | 468,811,744 | 498,134,611 |