

SUPPLEMENTARY TABLES

Supplementary Table 1.

| No. | Sex | Age | Tumor size | Stage | Lymph.Nodes.Positive | CT detection |
|-----------|--------|-----|---------------|-------|----------------------|--------------|
| 201702011 | female | 65 | 1.5*1.5*0.5cm | III | 1 | 1 |
| 201705053 | male | 52 | 4.5*4.5*0.5cm | IV | 0 | 1 |
| 201701065 | male | 66 | 4.5*4.5*1.0cm | IV | 0 | 1 |
| 201802060 | male | 73 | 1.5*1.0*0.5cm | I | 0 | 1 |
| 201804011 | male | 62 | 5.0*4.0*3.0cm | II | 0 | 1 |
| 201806006 | male | 81 | 4.0*1.0*0.8cm | II | 0 | 1 |
| 201902005 | male | 64 | 6.5*3.5*1.5cm | III | 0 | 1 |

Please browse Full Text version to see the data of Supplementary Table 2

Supplementary Table 2.

Supplementary Table 3.

| Patients | sample | raw reads | raw data (bp) | Q30(%) | clean reads | clean data (bp) |
|-----------|--------|-----------|---------------|--------|-------------|-----------------|
| Health 1 | blood | 2874958 | 431243700 | 98.60% | 2834786 | 425217900 |
| Health 2 | blood | 3555754 | 533363100 | 98.65% | 3507699 | 526154850 |
| Health 3 | blood | 3791302 | 568695300 | 98.55% | 3736490 | 560473500 |
| Health 4 | blood | 3465252 | 519787800 | 98.60% | 3416689 | 512503350 |
| Health 5 | blood | 2733798 | 410069700 | 98.66% | 2697123 | 404568450 |
| Health 6 | blood | 2374414 | 356162100 | 98.35% | 2335284 | 350292600 |
| Health 7 | blood | 2597040 | 389556000 | 98.51% | 2558332 | 383749800 |
| Patient 1 | T1 | 8983730 | 1347559500 | 94.44% | 8484669 | 1272700350 |
| Patient 1 | T21 | 3889436 | 583415400 | 94.61% | 3679665 | 551949750 |
| Patient 1 | T22 | 6487360 | 973104000 | 95.23% | 6177609 | 926641350 |
| Patient 1 | T31 | 5021792 | 753268800 | 95.15% | 4778485 | 716772750 |
| Patient 1 | T32 | 5293576 | 794036400 | 95.10% | 5034356 | 755153400 |
| Patient 1 | T33 | 7208058 | 1081208700 | 95.47% | 6881547 | 1032232050 |
| Patient 1 | normal | 10611972 | 1591795800 | 95.14% | 10096302 | 1514445300 |
| Patient 2 | T1 | 12907630 | 1936144500 | 94.81% | 12237581 | 1835637150 |
| Patient 2 | T21 | 643660 | 96549000 | 95.38% | 613951 | 92092650 |
| Patient 2 | T22 | 6291702 | 943755300 | 94.59% | 5951473 | 892720950 |
| Patient 2 | T31 | 5938210 | 890731500 | 95.01% | 5641969 | 846295350 |
| Patient 2 | T32 | 12856498 | 1928474700 | 94.88% | 12198651 | 1829797650 |
| Patient 2 | T33 | 11851226 | 1777683900 | 95.20% | 11282304 | 1692345600 |
| Patient 2 | normal | 26942700 | 4041405000 | 94.34% | 25418950 | 3812842500 |
| Patient 3 | T1 | 6077548 | 911632200 | 96.13% | 5842055 | 876308250 |
| Patient 3 | T21 | 9745696 | 1461854400 | 95.74% | 9330659 | 1399598850 |
| Patient 3 | T22 | 4530982 | 679647300 | 95.81% | 4341041 | 651156150 |
| Patient 3 | T31 | 4008834 | 601325100 | 94.92% | 3805217 | 570782550 |
| Patient 3 | T32 | 6339228 | 950884200 | 95.03% | 6024258 | 903638700 |

| | | | | | | |
|-----------|--------|----------|------------|--------|----------|------------|
| Patient 3 | T33 | 13664850 | 2049727500 | 95.46% | 13044423 | 1956663450 |
| Patient 3 | normal | 7876790 | 1181518500 | 94.97% | 7480867 | 1122130050 |
| Patient 4 | T1 | 37350466 | 5602569900 | 94.61% | 35337186 | 5300577900 |
| Patient 4 | T21 | 30142032 | 4521304800 | 94.49% | 28480857 | 4272128550 |
| Patient 4 | T22 | 12475154 | 1871273100 | 95.75% | 11945368 | 1791805200 |
| Patient 4 | T31 | 15092174 | 2263826100 | 95.48% | 14409462 | 2161419300 |
| Patient 4 | T32 | 10925402 | 1638810300 | 95.76% | 10462200 | 1569330000 |
| Patient 4 | T33 | 10587636 | 1588145400 | 95.67% | 10128681 | 1519302150 |
| Patient 4 | normal | 29675188 | 4451278200 | 95.16% | 28238376 | 4235756400 |
| Patient 5 | T1 | 2200670 | 330100500 | 95.30% | 2097344 | 314601600 |
| Patient 5 | T21 | 5394972 | 809245800 | 95.81% | 5169181 | 775377150 |
| Patient 5 | T22 | 2657258 | 398588700 | 95.28% | 2531863 | 379779450 |
| Patient 5 | T31 | 3108924 | 466338600 | 95.41% | 2966341 | 444951150 |
| Patient 5 | T32 | 7477154 | 1121573100 | 95.33% | 7127832 | 1069174800 |
| Patient 5 | T33 | 4484220 | 672633000 | 95.21% | 4269267 | 640390050 |
| Patient 5 | normal | 2867686 | 430152900 | 95.51% | 2739052 | 410857800 |
| Patient 6 | T1 | 1228996 | 184349400 | 95.62% | 1175189 | 176278350 |
| Patient 6 | T21 | 4565322 | 684798300 | 95.42% | 4356374 | 653456100 |
| Patient 6 | T22 | 2607780 | 391167000 | 95.78% | 2497784 | 374667600 |
| Patient 6 | T23 | 1288430 | 193264500 | 95.64% | 1232260 | 184839000 |
| Patient 6 | normal | 1706826 | 256023900 | 95.97% | 1637963 | 245694450 |
| Patient 7 | T1 | 6903882 | 1035582300 | 95.88% | 6619402 | 992910300 |
| Patient 7 | T21 | 12933792 | 1940068800 | 95.92% | 12405758 | 1860863700 |
| Patient 7 | T22 | 7628024 | 1144203600 | 96.39% | 7352945 | 1102941750 |
| Patient 7 | T31 | 12530866 | 1879629900 | 95.76% | 12000062 | 1800009300 |
| Patient 7 | T32 | 3809072 | 571360800 | 95.70% | 3645240 | 546786000 |
| Patient 7 | T33 | 8493836 | 1274075400 | 95.63% | 8122311 | 1218346650 |