

Table SI. Sequencing coverage and quality statistics of the AmpliSeq RNA sequencing.

| Sample ID | Group | Mapped reads, n | Amplicons, n | Total assigned amplicon reads, n | Reads on target, % | Assigned reads, % |
|-----------|----------|-----------------|--------------|----------------------------------|--------------------|-------------------|
| A7966-40 | 4Gy_1h | 756,797 | 69 | 709,555 | 99.60 | 93.76 |
| A7966-41 | 4Gy_1h | 654,780 | 69 | 616,370 | 99.61 | 94.13 |
| A7966-42 | ctrl_1h | 507,944 | 69 | 463,823 | 99.52 | 91.31 |
| A7966-43 | ctrl_1h | 675,973 | 69 | 586,609 | 99.29 | 86.78 |
| A7966-44 | 4Gy_4h | 683,894 | 69 | 577,644 | 98.14 | 84.46 |
| A7966-45 | 4Gy_4h | 446,644 | 69 | 375,754 | 97.83 | 84.13 |
| A7966-46 | ctrl_4h | 708,778 | 69 | 638,887 | 99.38 | 90.14 |
| A7966-47 | ctrl_4h | 913,409 | 69 | 847,454 | 99.54 | 92.78 |
| A7966-48 | 4Gy_24h | 736,308 | 69 | 688,632 | 99.60 | 93.52 |
| A7966-49 | 4Gy_24h | 749,228 | 69 | 711,635 | 99.56 | 94.98 |
| A7966-50 | ctrl_24h | 715,981 | 69 | 668,904 | 99.50 | 93.42 |
| A7966-51 | ctrl_24h | 654,336 | 69 | 601,209 | 99.45 | 91.88 |
| A7966-52 | ctrl_1h | 795,798 | 69 | 736,394 | 99.40 | 92.54 |
| A7966-53 | ctrl_1h | 626,531 | 69 | 585,425 | 99.49 | 93.44 |
| A7966-54 | 4Gy_1h | 642,093 | 69 | 608,952 | 99.44 | 94.84 |
| A7966-55 | 4Gy_1h | 794,671 | 69 | 748,481 | 99.42 | 94.19 |
| A7966-56 | ctrl_4h | 740,168 | 69 | 695,039 | 99.41 | 91.90 |
| A7966-57 | ctrl_4h | 747,313 | 69 | 703,026 | 99.41 | 94.07 |
| A7966-58 | 4Gy_4h | 711,836 | 69 | 678,593 | 99.41 | 95.33 |
| A7966-59 | 4Gy_4h | 745,132 | 69 | 709,020 | 99.44 | 95.15 |
| A7966-60 | ctrl_24h | 812,201 | 69 | 762,772 | 99.56 | 93.91 |
| A7966-61 | ctrl_24h | 851,603 | 69 | 800,884 | 99.53 | 94.04 |
| A7966-62 | 4Gy_24h | 840,082 | 69 | 786,377 | 99.64 | 93.61 |
| A7966-63 | 4Gy_24h | 818,175 | 69 | 768,511 | 66.62 | 93.93 |