**Supplementary Table S1.** Information on each mouse used in the experiment, including tag number, reason for death, sex, tumor volume at irradiation, approximate age at irradiation (mice were purchased within a one week age range of 3-4 weeks), number of radiation fractions and radiation energy. Note: the one mouse found to be sick was hunched.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Tag Number | Reason for death | Sex | Approx. age at irradiation (days) | Tumor volume at Irradiation (cubic mm) | Number of fractions | Energy Spectrum (kVp) | Approx. Age at Tumor Injection |
| 606 | One month | M | 96 | 123.78 | 1 | 250  | 74 |
| 461 | One month | M | 85 | 95.99 | 1 | 250  | 69 |
| 393 | One month | M | 75 | 187.88 | 1 | 250  | 36 |
| 460 | One month | M | 85 | 97.1 | 1 | 250  | 69 |
| 398 | Found dead | M | 75 | 92.91 | 1 | 250  | 39 |
| 396 | Found dead | M | 75 | 114.46 | 1 | 250  | 39 |
| 442 | Found dead | M | 82 | 223.59 | 1 | 250  | 69 |
| 498 | One month | M | 94 | 128.27 | 2 | 250  | 74 |
| 499 | One month | M | 94 | 105.13 | 2 | 250  | 74 |
| 610 | One month | M | 97 | 100.26 | 2 | 250  | 74 |
| 604 | One month | M | 95 | 107.54 | 1 | 350  | 74 |
| 603 | One month | M | 95 | 224.98 | 1 | 350  | 74 |
| 459 | One month | M | 84 | 80.76 | 1 | 350  | 69 |
| 432 | One month | M | 80 | 73.29 | 1 | 350  | 61 |
| 458 | One month | M | 84 | 110.34 | 1 | 350  | 69 |
| 605 | One month | M | 95 | 123.85 | 1 | 350  | 74 |
| 433 | Found dead | M | 80 | 71.09 | 1 | 350  | 61 |
| 618 | One month | M | 116 | 124.09 | 4 | 250  | 103 |
| 616 | One month | M | 116 | 122.87 | 4 | 250  | 102 |
| 619 | One month | M | 122 | 119.22 | 4 | 250  | 102 |
| 615 | One month | M | 116 | 131.02 | 4 | 250  | 102 |
| 614 | Necrotic | M | 101 | 94.51 | 4 | 250  | 74 |
| 399 | One month | M | 74 | 186.19 | 4 | 250  | 61 |
| 495 | One month | F | 91 | 285.77 | 1 | 250  | 71 |
| 443 | One month | F | 81 | 80.84 | 1 | 250  | 62 |
| 464 | One month | F | 84 | 131.55 | 1 | 250  | 67 |
| 494 | Sick | F | 91 | 141.88 | 1 | 250  | 69 |
| 463 | Found dead | F | 84 | 245.74 | 1 | 250  | 67 |
| 444 | Found dead | F | 81 | 68 | 1 | 250  | 62 |
| 462 | Found dead | F | 84 | 231.09 | 1 | 250  | 68 |
| 496 | One month | F | 94 | 141.54 | 2 | 250  | 71 |
| 445 | One month | F | 81 | 83.28 | 2 | 250  | 62 |
| 601 | One month | F | 94 | 383.62 | 2 | 250  | 71 |
| 602 | One month | F | 94 | 318.39 | 2 | 250  | 71 |
| 446 | Large Tumor | F | 81 | 220.54 | 2 | 250  | 67 |
| 497 | Found dead | F | 94 | 156.29 | 2 | 250 | 71 |
| 493 | One month | F | 91 | 98.89 | 1 | 350 | 69 |
| 435 | Found dead | F | 80 | 135.86 | 1 | 350 | 66 |
| 436 | Found dead | F | 80 | 154.45 | 1 | 350 | 66 |
| 490 | Found dead | F | 91 | 175.88 | 1 | 350 | 69 |
| 440 | Found dead | F | 81 | 75.79 | 1 | 350 | 66 |
| 441 | Found dead | F | 81 | 127.92 | 1 | 350 | 66 |
| 491 | Found dead | F | 91 | 158.7 | 1 | 350 | 69 |