S1 Table corresponding to Fig. 2 for supplementary information.

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| **Author** | **Wavelength, energy dose** | **Inactivation ≥3log10 y/n** |
| Bumah et al. [49] | 220 J/cm², 470nm | Y |
| Bumah et al. [50] | 55 J/cm², 405 and 470nm | Y |
| Chebath-Taub et al. [54] | 680 J/cm², 400-500nm | N |
| Cieplik et al. [11] | 120 J/cm², 460nm | Y |
| Cohen-Benneron et al. [55] | 262 J/cm², 460-480nm | N |
| De Sousa et al. [39] | 24 J/cm², 450nm | N |
| De Sousa et al. [45] | 24 J/cm², 660nm | N |
| Enwemeka et al. [48] | 60 J/cm², 405nm | N |
| Enwemeka et al. [47] | 60 J/cm², 470nm | N |
| Feuerstein et al. [26] | 94 J/cm², 450-498nm | N |
| Feuerstein et al. [25] | 75 J/cm², 400-500nm; 94 J/cm², 450-480nm; 206 J/cm², 450-490nm | N |
| Fontana et al. [27] | 4,8 J/cm², 455nm | N |
| Fukui et al. [33] | 15 J/cm², 400-470nm | N |
| Ghate et al. [53] | 597 J/cm² (461nm), 432 J/cm² (521nm), 686 J/cm² (624nm) | N |
| Guffey et al. [42] | 15 J/cm², 405nm and 470nm | N |
| Henry et al. [29] | 200 J/cm², 488-514nm | N |
| Hope et al. [31] | 3,42 J/cm² (LED), 98,55 J/cm² (laser), 405nm | N |
| Hope et al. [38] | 20,6 J/cm² (laser), 5,7 J/cm² (LED), 405nm | Y (laser) |
| Imamura et al. [37] | 6 J, 405nm | N |
| Izzo et al. [35] | 1500 J/cm²,455nm); 978 J/cm², 625nm | N |
| Kim et al. [28] | 172,8 J/cm², 425nm, 525nm and 625nm | N |
| König et al. [23] | 360 J/cm², 632,8nm | N |
| Kotoku et al. [34] | 16 J/cm², 405nm | Y |
| Lipovsky et al. [46] | 180 J/cm², 400-800nm | N |
| MacLean et al. [40] | 630 J/cm², 400-430nm | Y |
| MacLean et al. [41] | 54 J/cm², 405nm | Y |
| Masson-Meyers et al. [51] | 121 J/cm², 390-420nm (LED), 405nm (laser) | N |
| Song et al. [24] | 0.75 J/cm², 400-520nm | Y |
| Soukos et al. [32] | 4.2 J/cm², 380-520 J/cm² | Y |