**STable 1** Optical density of *C.reinhardtii* under normal (50 µmol photons m-2s-1)and high light (500 µmol photons m-2s-1) conditions. n=3. WT, *pgrl* and *pgr5* 50; WT, *pgrl* and *pgr5* 500, represents 50 and 500 µmol photons m-2 s-1.

|  |
| --- |
|  Optical density  |
| Hrs  |  WT 50  |  WT500 | *pgrl1* 50 | *pgrl1* 500 | *pgr5* 50 | *pgr5* 500 |
|  0  | 0.019±0.002 | 0.024±0.0014 | 0.023±.001 | 0.0226±.001 | 0.026±.009 | 0.023±.0008 |
|  24 | 0.28±0.41 | 0.216±.0051 | 0.051±.003 | 0.0223±.003 | 0.14467±.0035 | 0.163±.0051 |
|  48 | 0.36±0.05 | 0.68±.0055 | 0.167±.001 | 0.115±.046 | 0.306±.0096 | 0.172±.0051 |
|  72 | 0.79±0.005 | 1.08±.0545 | 0.661±.002 | 0.553±.006 | 0.846±.0464 | 0.719±.017 |
|  96 | 1.06±0.08 | 1.34±.0475 | 1.238±.092 | 1.179±.121 | 1.162±.0248 | 1.301±.055 |