**Table S1**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| pOAD | p20 |  |  |  | Tif4631 (391-491) |   |   |
|   |  |  |  |  |   |  |  |   |
| pOBD |  -H |  -A | LacZ Units | ± |  -H |  -A | LacZ Units | ± |
| eIF4E wt | +++ | +++ | 25.6 | 0.3 | +++ | +++ | 14.8 | 0.4 |
| vector |  - | - | 2.8 | 0.2 | + | - | 1.7 | 0.0 |
| E103Q | +++ | +++ | 31.6 | 1.6 | +++ | ++ | 14.8 | 0.3 |
| E105Q | +++ | +++ | 39.6 | 2.3 | +++ | ++ | 16.2 | 0.2 |
| D106N | +++ | +++ | 39.3 | 2.2 | +++ | ++ | 12.6 | 0.9 |
| W75A |  - | - | 5.7 | 0.0 | ++ | - | 5.5 | 0.1 |
|  |  |  |  |  |  |  |  |  |