|  | $\mathrm{C0} \rightarrow \mathrm{C} 24$ |  |  | $\mathrm{C} 24 \rightarrow \mathrm{C} 72$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\uparrow$ | $\downarrow$ | TOTAL | $\uparrow$ | $\downarrow$ | TOTAL |
| CLASS I | 495 (82\%) | 537 (93\%) | 1032 (87\%) | 0 (0\%) | 0 (0\%) | 0 (0\%) |
| CLASS II | 0 (0\%) | 0 (0\%) | 0 (0\%) | 50 (44\%) | 80 (49\%) | 130 (46\%) |
| CLASS III | 48 (8\%) | 2 (0\%) | 50 (4\%) | 2 (0\%) | 48 (29\%) | 50 (18\%) |
| CLASS IV | 64 (10\%) | 37 (7\%) | 101 (9\%) | 64 (56\%) | 37 (22\%) | 101 (36\%) |

## Additional file 4.

Number of genes on each class in $\mathrm{C} 0 \rightarrow \mathrm{C} 24$ and $\mathrm{C} 24 \rightarrow \mathbf{C 7 2}$

