

**Table S3.** The number of genes and average period in each of the clusters presented in Figure 3 of the Experiment A.main text. The number of genes correlated to high or low oxygen (taken from Schmid et al. 2007) are also given.

Cluster	Color*	Avg. period	# genes	+ O <sub>2</sub> correlation	- O <sub>2</sub> correlation
1	orange	13.2	70	0	33 (47%)
2	red	21.1	65	0	17 (26%)
3	blue	18.5	45	20 (44%)	0