

S7 Table

MED4 PMM number	Gene name	Diel cycle [83]		Physicochemical stressors					Phage infection			
		Expr. cluster	Max. mRNA	High [60] light	-N [84]	-P [44]	-Fe [70]	-CO ₂ [5] (-O ₂)	P-SSP7 [40] Light	P-HM2 Light	P-HM2 Dark	
PMM0093	<i>hli01</i>	1	16:00								[-]	[-]
PMM0064	<i>hli02</i>	12	4:00									[-]
PMM1482	<i>hli03</i>	9	0:00			+		-				[-]
PMM1118	<i>hli04</i>	10	1:00	+			+	+				
PMM1404	<i>hli05</i>	17	17:00	+			+	+			+	[-]
PMM0818/PMM1399	<i>hli06/hli16</i>	10	1:00	+			+	+	+	+	+	[+]
PMM0817/PMM1398	<i>hli07/hli17</i>	10	1:00	+			+	+	+	+	+	[+]
PMM0816/PMM1397	<i>hli08/hli18</i>	10	2:00	+			+	+	+		[+]	
PMM0815/PMM1396	<i>hli09/hli19</i>	10	2:00	+			+	+	+	+	+	
PMM1390	<i>hli10</i>	4	16:00		+			+				[-]
PMM1385	<i>hli11</i>	8	22:00	+				+			+	
PMM1384	<i>hli12</i>	8	23:00	+				+			[-]	
PMM1317	<i>hli13</i>	3	12:00								[-]	
PMM1135	<i>hli14</i>	10	1:00	+			+	+	+	+	+	[-]
PMM1128	<i>hli15</i>	17	8:00	+	+			(+)				[-]
PMM0471	<i>hli20</i>	5	16:00									
PMM0690	<i>hli21</i>	17	4:00	+	+			+				
PMM0689	<i>hli22</i>	11	0:00	+	+			+				-