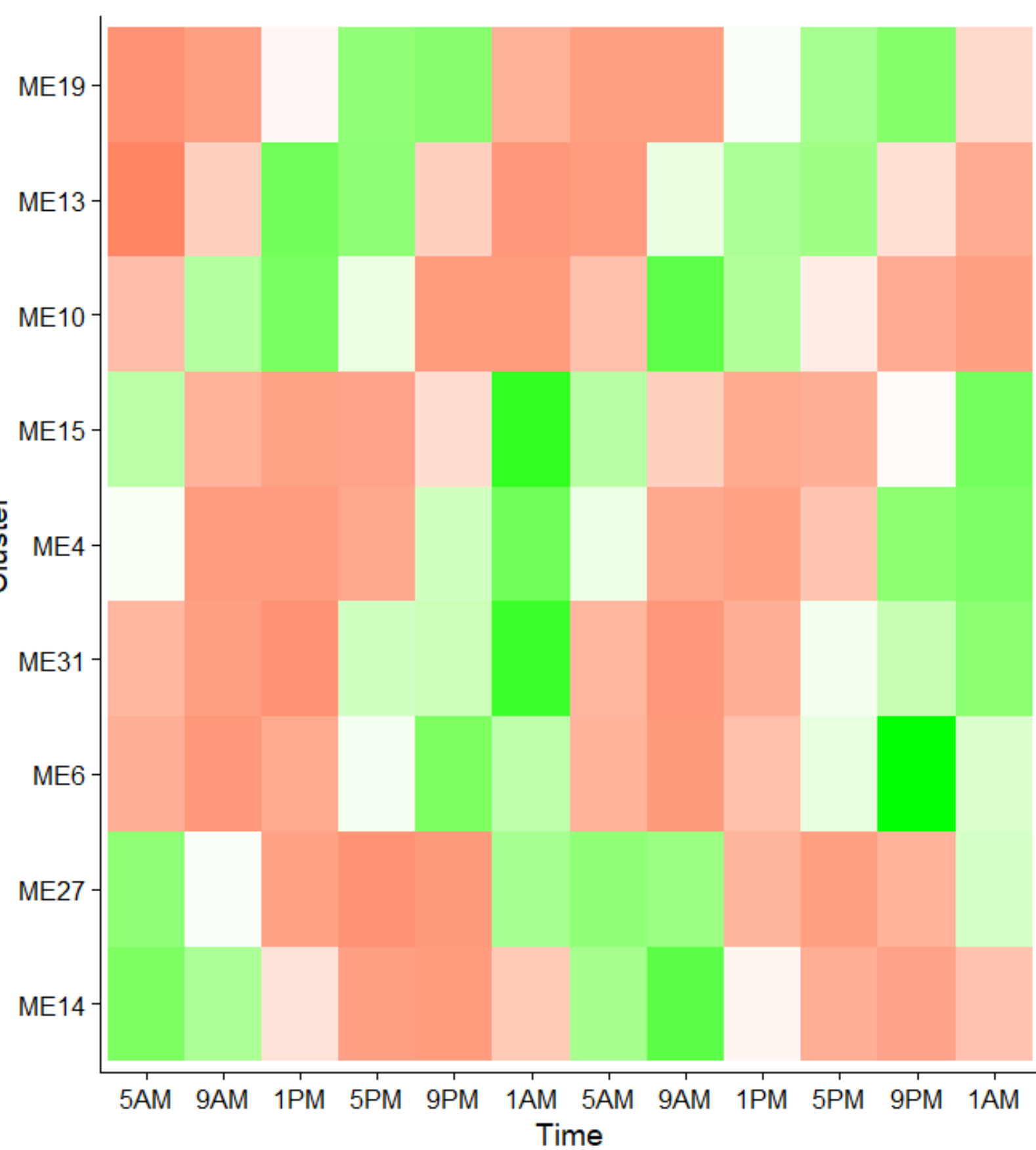
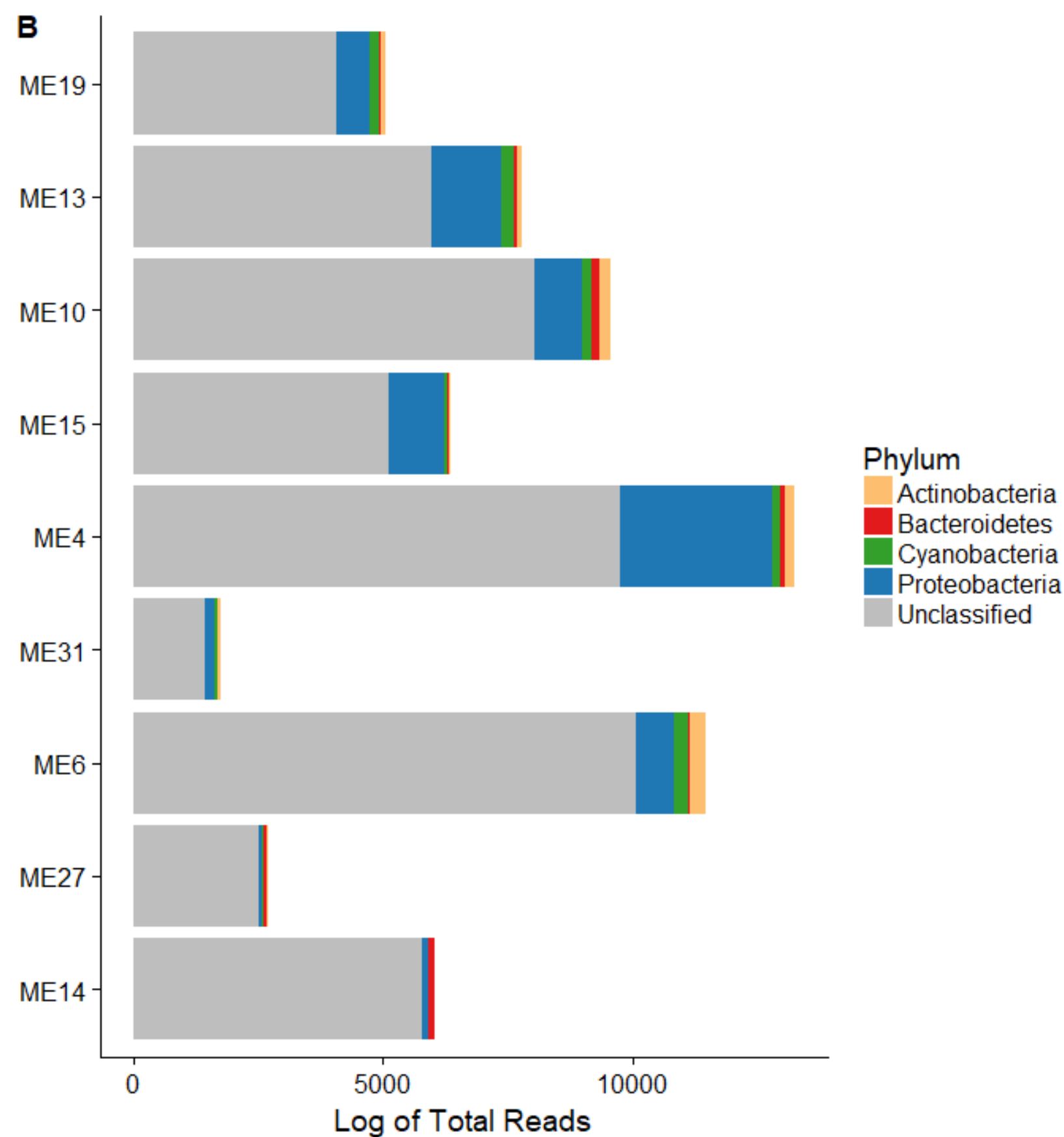


A



B



Cluster	Time of Activity	Types of Genes Expressed
ME19	5PM - 9PM (evening)	Cytochrome c oxidase
ME13	1PM - 5PM (peak daylight)	Carbohydrate transport Glucose/arabinose dehydrogenase Chlorophyll a-b binding DNA-directed RNA polymerase
ME10	9AM – 1PM (morning)	Photosystem II Peroxisredoxin F-type ATPase
ME15	1AM – 5AM (dawn)	Aerobic anoxygenic photosynthesis
ME4	9PM – 5AM (night to dawn)	Aerobic anoxygenic photosynthesis
ME6	5PM – 1AM (evening to night)	TCA cycle
ME14	5AM – 9AM (morning)	Calvin cycle (no RuBisCO)