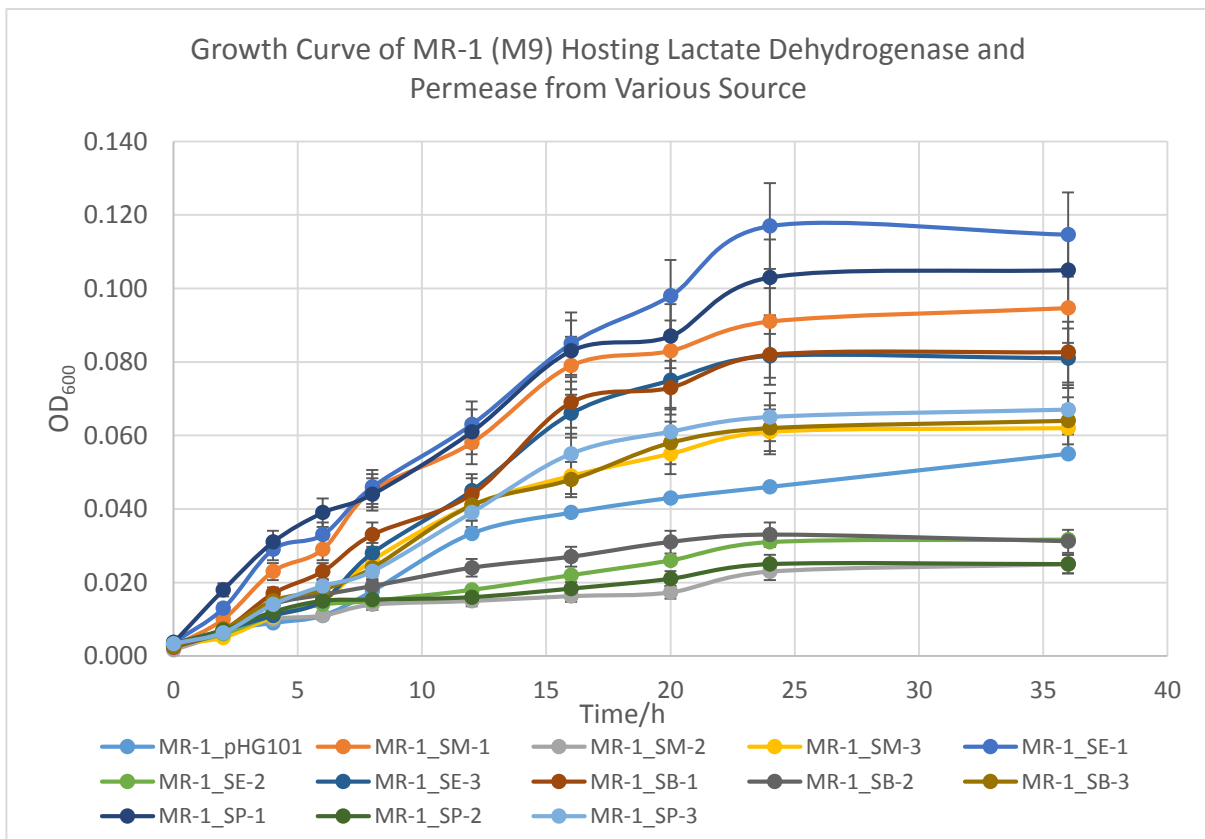
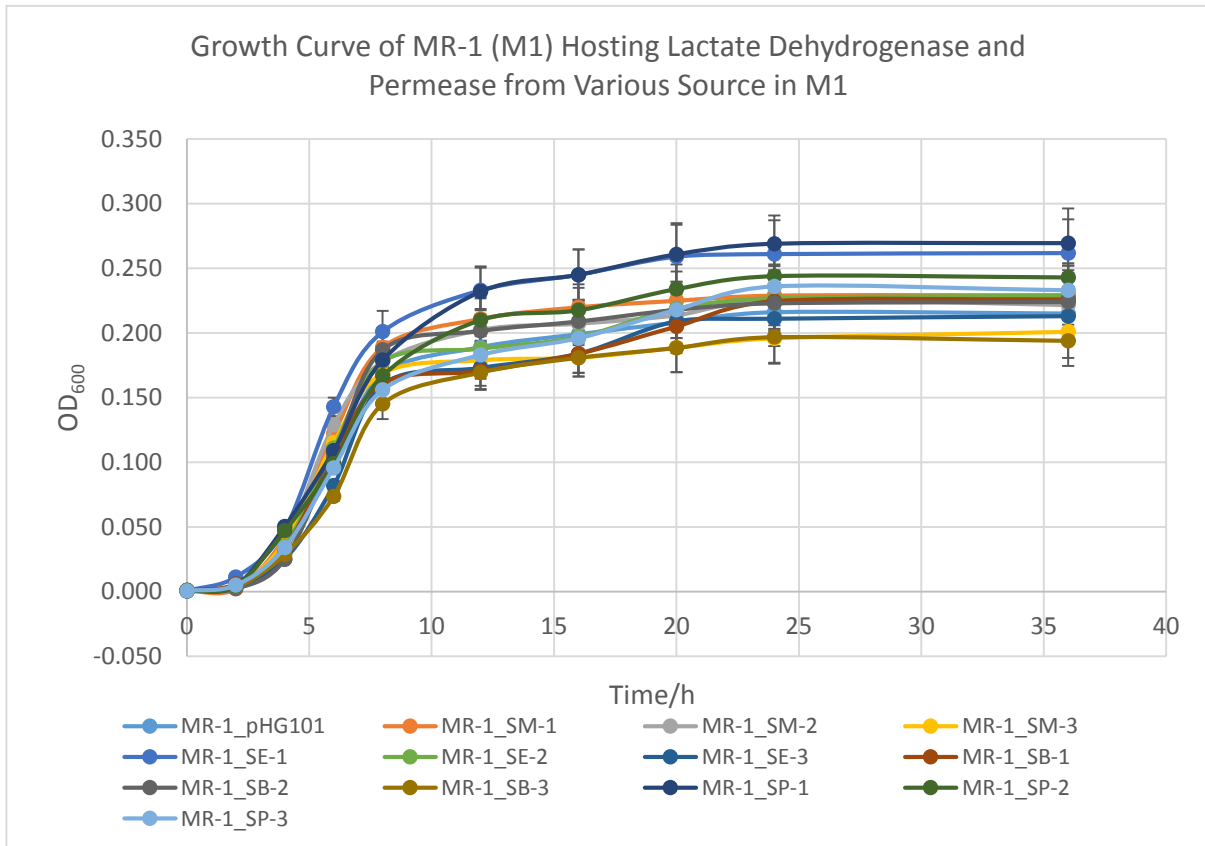
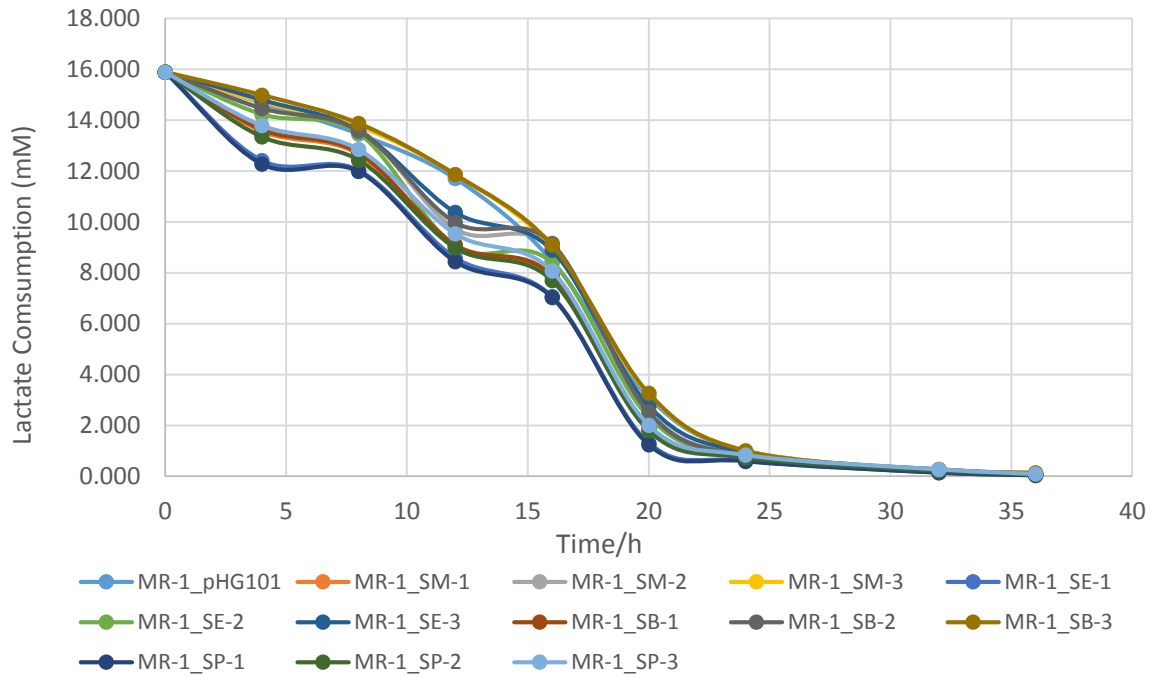


Pre-screening of Lactate Dehydrogenase and Lactate Permease

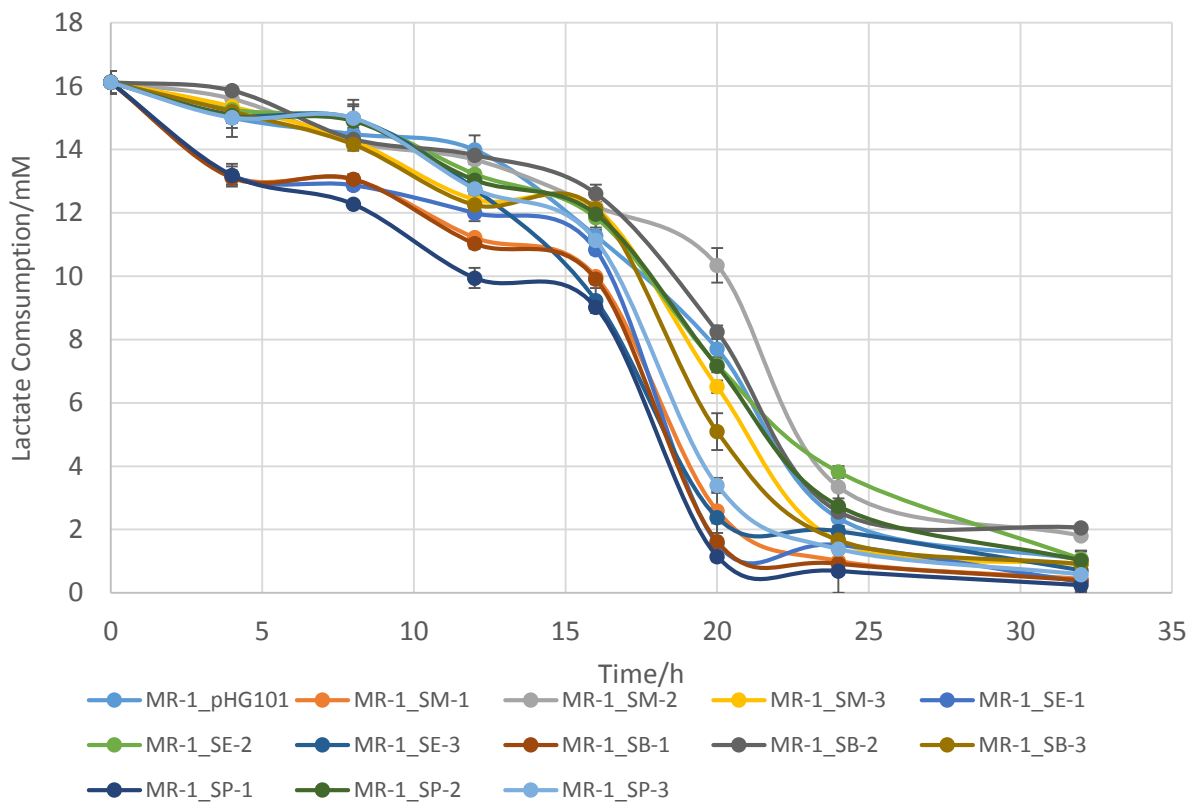
NTU Singapore, iGEM 2015



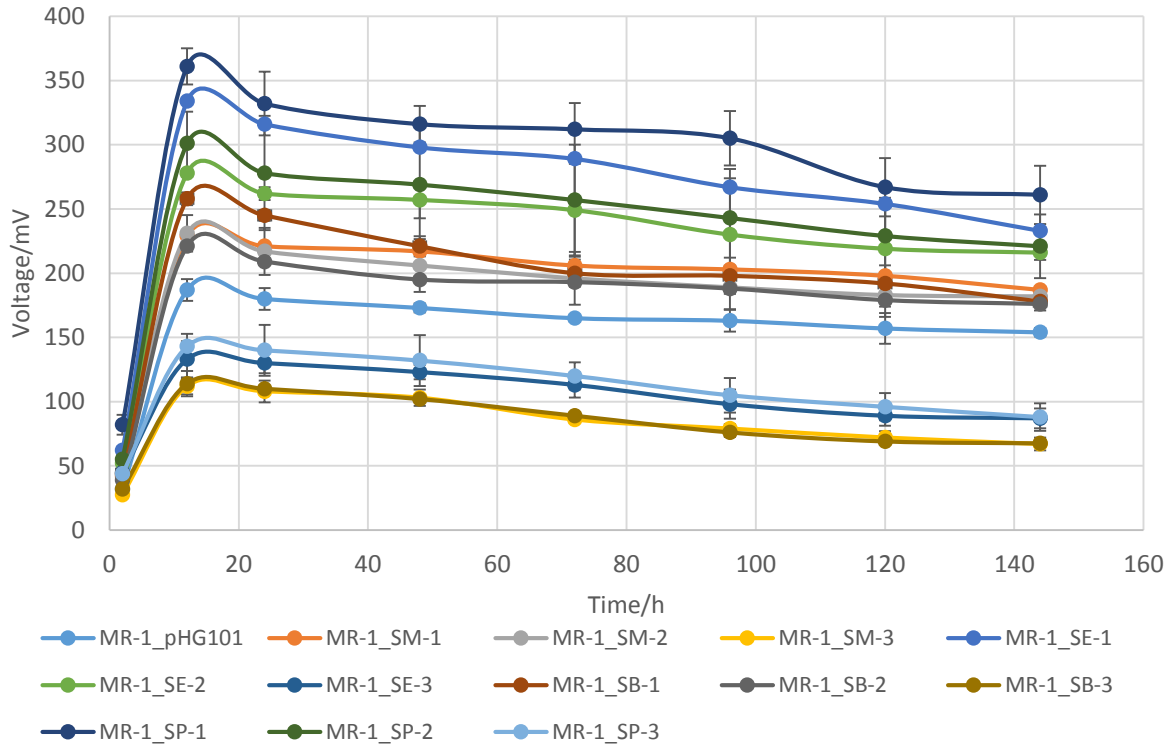
Lactate Consumption of MR-1 Hosting Lactate Dehydrogenase and Permease from Various Source



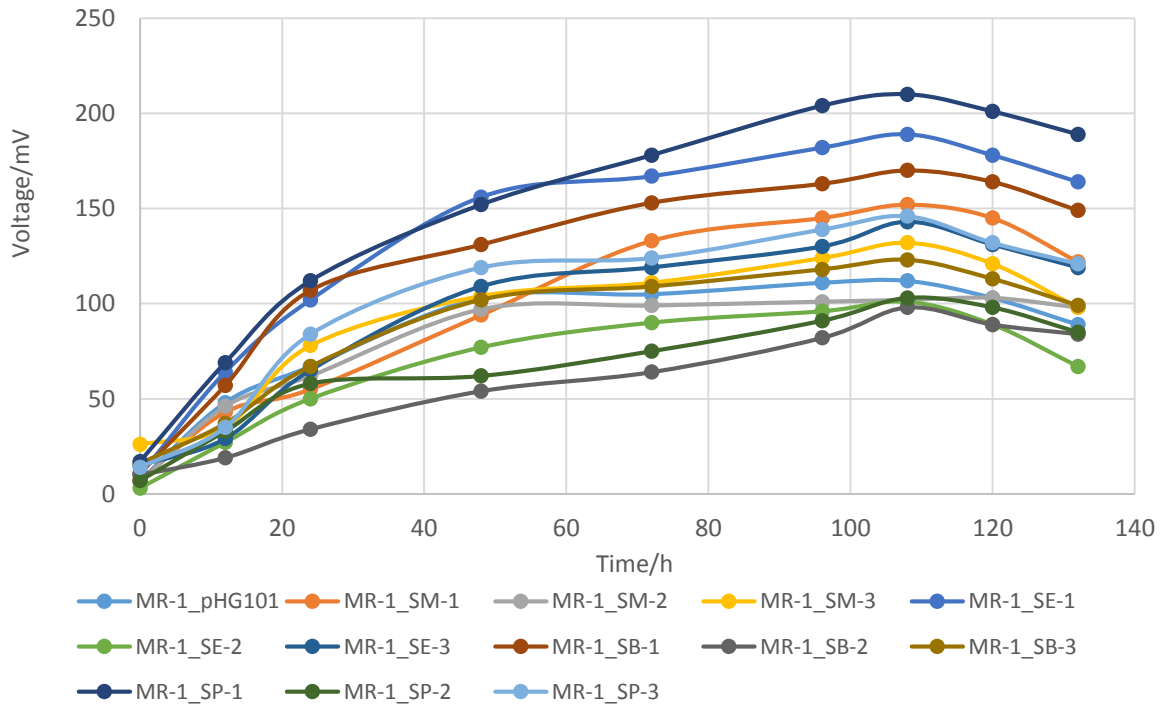
Lactate Consumption of MR-1(M9) Hosting Lactate Dehydrogenase and Permease from Various Source



Open Circuit Voltage of MR-1 (M1) Hosting Lactate Dehydrogenase and Permease from Various Source



Open Circuit Voltage of MR-1 (M9) Hosting Lactate Dehydrogenase and Permease from Various Source



Strain Information:

| | Plasmid | Notes | Origin |
|-----------|----------------|---------------------|------------------------|
| 1 | MR-1_pHG101 | pHG101 | |
| 2 | MR-1_SM-1 | lldP-lldEFG | Shewanella MR-1 |
| 3 | MR-1_SM-2 | lldEFG | |
| 4 | MR-1_SM-3 | lldP | |
| 5 | MR-1_SE-1 | lldP-lldD-ykgEFG | E coli. |
| 6 | MR-1_SE-2 | lldD-ykgEFG | |
| 7 | MR-1_SE-3 | lldP | |
| 8 | MR-1_SB-1 | lctP-yvfV-yvfW-yvbY | Bacillus subtilis |
| 9 | MR-1_SB-2 | yvfV-yvfW-yvbY | |
| 10 | MR-1_SB-3 | lctP | |
| 11 | MR-1_SP-1 | lldP-lldD | Pseudomonas aeruginosa |
| 12 | MR-1_SP-2 | lldD | |
| 13 | MR-1_SP-3 | lldP | |