|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Plasmid Taxonomy** |  | **Mock 1** | **Mock 2** | **Mock 3** | **Mock 4** |
| ***Desulfobulbaceae* (DSB)** | *Expected* | ***3.0%*** | ***3.0%*** | ***11.0%*** | ***11.0%*** |
| Experimental | 3.0% | 3.2% | 11.6% | 12.9% |
| **Fold Change** | **0.99** | **1.05** | **1.05** | **1.17** |
| Std. Dev. | 0.06 | 0.10 |
| ***Helicobacteraceae*** | *Expected* | ***25.0%*** | ***25.0%*** | ***1.0%*** | ***1.0%*** |
| Experimental | 28.0% | 23.4% | 1.4% | 1.2% |
| **Fold Change** | **1.12** | **0.93** | **1.38** | **1.17** |
| Std. Dev. | 0.18 | 0.16 |
| ***Desulfobacteraceae* (DSS)** | *Expected* | ***9.0%*** | ***9.0%*** | ***31.0%*** | ***31.0%*** |
| Experimental | 12.7% | 11.0% | 34.8% | 31.5% |
| **Fold Change** | **1.42** | **1.22** | **1.12** | **1.02** |
| Std. Dev. | 0.15 | 0.10 |
| **ANME-1a** | *Expected* | *1.0%* | *4.0%* | *5.0%* | *20.0%* |
| Experimental | 3.4% | 9.9% | 14.5% | 19.4% |
| **Fold Change** | **3.35** | **2.48** | **2.90** | **0.97** |
| **ANME-1b** | *Expected* | ***1.0%*** | ***4.0%*** | ***5.0%*** | ***20.0%*** |
| Experimental | 1.4% | 3.4% | 6.9% | 12.8% |
| **Fold Change** | **1.42** | **0.85** | **1.37** | **0.64** |
| **ANME-2a/b** | *Expected* | ***6.0%*** | ***2.0%*** | ***30.0%*** | ***10.0%*** |
| Experimental | 3.7% | 0.6% | 10.2% | 6.2% |
| **Fold Change** | **0.61** | **0.32** | **0.34** | **0.62** |
| **ANME-2c** | *Expected* | ***3.5%*** | ***1.0%*** | ***15.0%*** | ***5.0%*** |
| Experimental | 1.9% | 0.5% | 6.9% | 4.1% |
| **Fold Change** | **0.55** | **0.49** | **0.46** | **0.81** |
| **Miscellaneous Crenarchaeota Group** | *Expected* | ***10.0%*** | ***10.0%*** | ***1.0%*** | ***1.0%*** |
| Experimental | 14.8% | 14.9% | 5.9% | 4.7% |
| **Fold Change** | **1.48** | **1.49** | **5.87** | **4.69** |
| Std. Dev. | 0.01 | 0.22 |
| ***Thermoplasmatales*** | *Expected* | ***41.5%*** | ***42.0%*** | ***1.0%*** | ***1.0%*** |
| Experimental | 30.8% | 30.7% | 6.5% | 6.1% |
| **Fold Change** | **0.74** | **0.73** | **6.48** | **6.09** |
| Std. Dev. | 0.01 | 0.06 |