**Transfer Learning Subset walters et al (100 samples)**

**Pearson Correlation**

| | All variables | 3 variables (type of plant independence) | 2 variables (T and rain) | |
|---|---|---|---|---|
| **Default (mean training)** | 63.90 | 63.90 | 63.90 | |
| **Linear Regression** | 54.74 | 54.36 | 27.33 | |
| **MLP (Dense)** | 69.58 | 71.14 | 64.56 | |
| **OTU latent space** | **72.06** | **75.44** | **66.03** | |
| **Combined latent space** | 69.14 | 72.66 | 63.32 | Transfer all variables |
| | | 71.22 | 65.40 | Transfer subset variables |

**Bray-Curtis**

| | All variables | 3 variables (type of plant independence) | 2 variables (T and rain) | |
|---|---|---|---|---|
| **Default (mean training)** | 49.72 | 49.72 | 49.72 | |
| **Linear Regression** | 55.67 | 55.96 | 64.92 | |
| **MLP (Dense)** | 45.10 | 44.10 | **48.79** | |
| **OTU latent space** | 45.31 | **42.80** | 51.84 | |
| **Combined latent space** | **44.52** | 43.46 | 51.12 | Transfer all variables |
| | | 43.22 | 50.07 | Transfer subset variables |