Table S3. Comparison of using and not using rotary positional encoding in TL.

|  |  |  |
| --- | --- | --- |
|  | **Transfer Learning****(2CAT not using** **rotary positional encoding** **– proposed technique)** | **Transfer Learning****(2CAT using** **rotary positional encoding****– ablation study)** |
| **MSE** | **MAE** | **R²** | **MSE** | **MAE** | **R²** |
|  N225 | 0.3035  | 0.4242  | 0.7172  | **0.2889**  | **0.4138**  | **0.7308**  |
|  HSI | 0.0137  | 0.0933  | 0.8321  | **0.0131**  | **0.0901**  | **0.8396**  |
|  SSE | 0.0452  | 0.1641  | 0.8796  | **0.0430**  | **0.1569**  | **0.8854**  |
|  BSE | 0.0428  | 0.1604  | 0.8974  | **0.0428**  | **0.1603**  | **0.8975**  |
|  SET | 0.1566  | 0.3134  | 0.9117  | **0.1534**  | **0.3101**  | **0.9135**  |