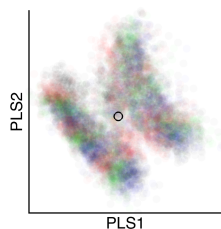


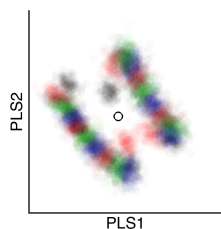
Replicating figures with event detection

PLS plots

Using one session from Mouse2022, showing real data:

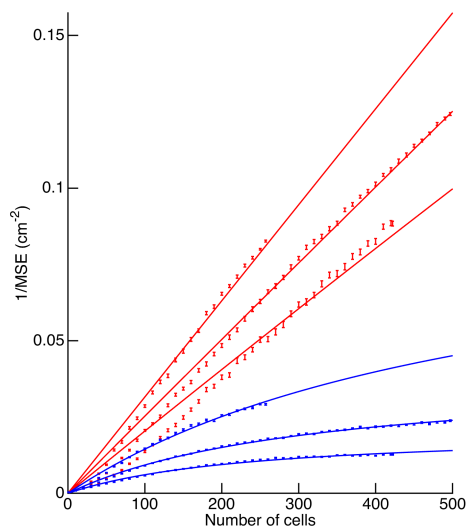


And shuffled data:



Decoding curves

```
Unshuf R^2: -172.487525 - 0.998856, median: 0.994547
Shuf R^2: -188.766644 - 0.995071, median: 0.968140
Diag R^2: -175.863588 - 0.998626, median: 0.993705
Unshuf (exp) R^2: -4.022196 - 0.998929, median: 0.150711
Shuf (exp) R^2: -4.287065 - 0.995406, median: 0.956096
Diag (exp) R^2: -4.032451 - 0.999084, median: 0.146206
```



Signal and noise

