Dynamic stimulus encoding in S1 Hit vs CR classification **G**using 10 trials only Miss vs CR classification 0:0 0:0 0:0 a e Hit vs CR classification 0 0 10 0 10 only Rew. only vs CR classification Miss 芸 CR Rew. <u>-</u>2 0 -1-1Time (s) Time (s) Time (s) Time (s) Dynamic stimulus encoding in S2 b h Hit vs CR classification using 10 trials only Hit vs CR classification Rew. only vs CR classification Miss Ħ Rew. **-**2 0 2 -10 2 3 -2 0 2 -10 -1Time (s) Time (s) Time (s) Time (s) Dynamic stimulus encoding in S1 using 2.0 second windows Response times and decoded predictions of all hit trials of 1 session Pearson r between response time and significance: 🕻 decoded prediction for all sessions Pearson correlation r 1.00 Ħ 0.5 0.0 **Reward only** n.s. averaging r = 0.25, p=0.04window p < 0.05 (Bonf. corr.) 0 **-**2 0 250 500 750 1000 Time (s) Time (s) Response time (ms) Dynamic stimulus encoding in S2 using 2.0 second windows Hit vs CR classification 6.000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.000 Miss vs CR classification O 0 0 1 0 0 Ħ **-**2 0 -20 2 3 1 Time (s) Time (s)