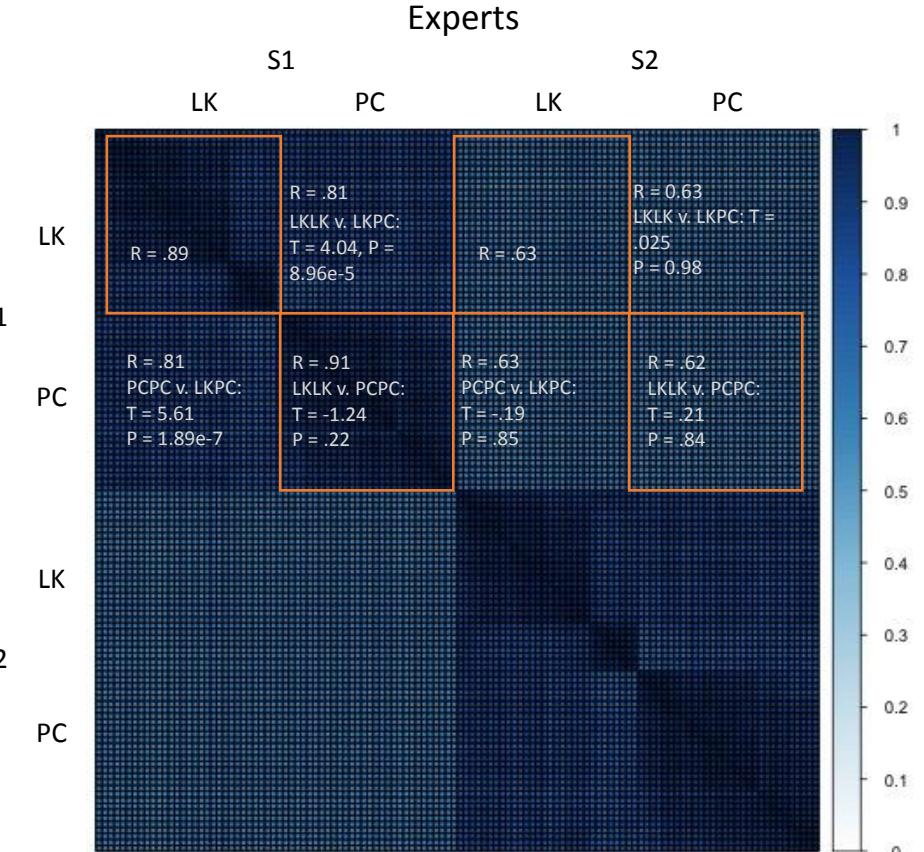
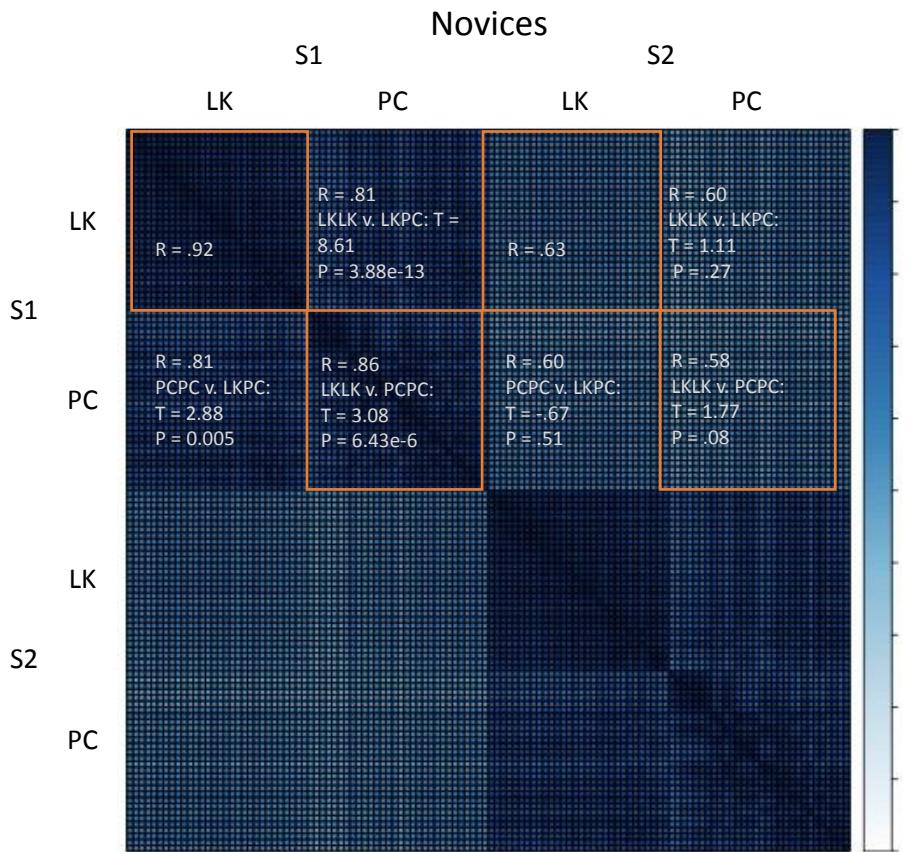


Within and Between Subject Correlation Comparisons

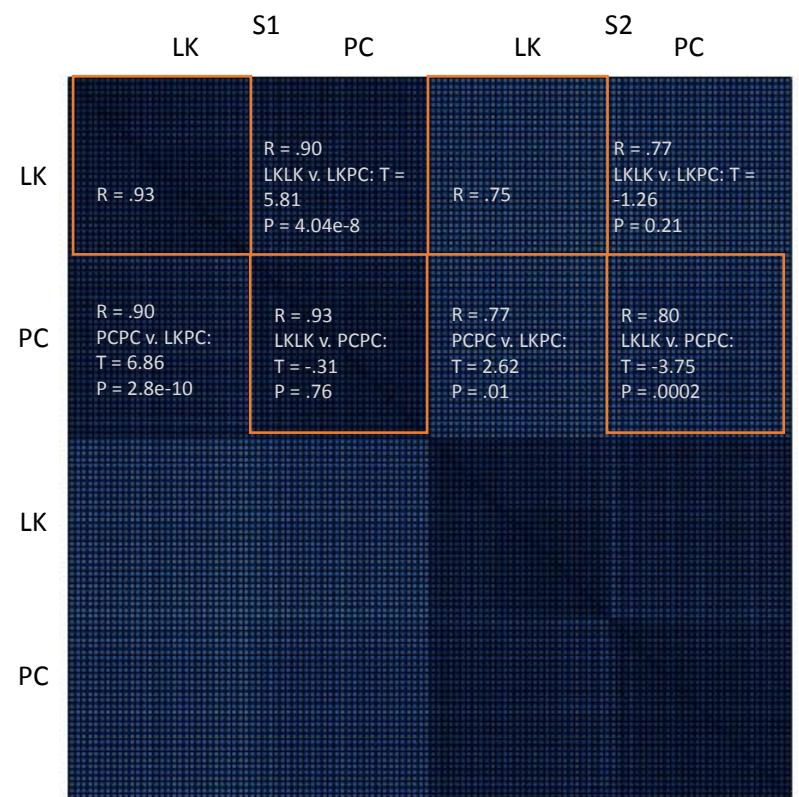
Comparison Set 1: LK v. PC

Gamma

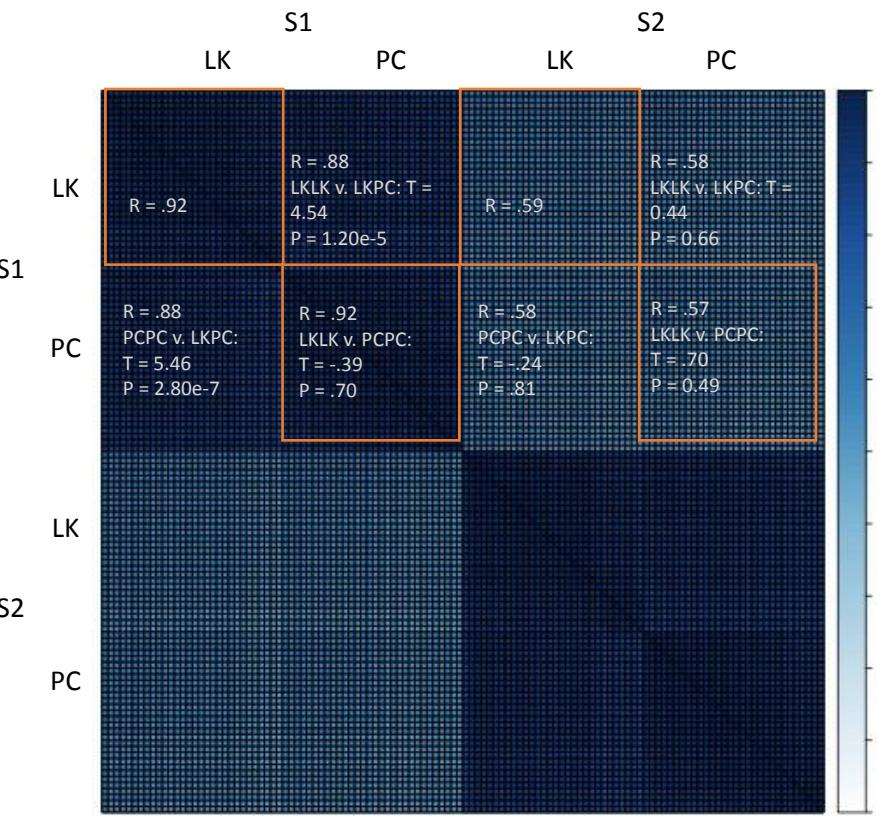


Beta

Novices

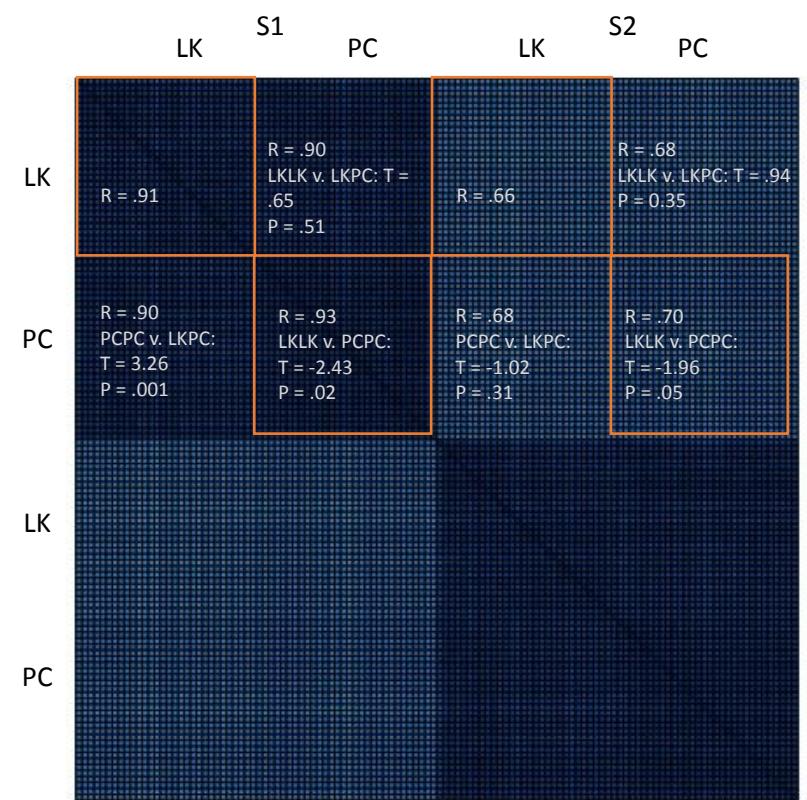


Experts

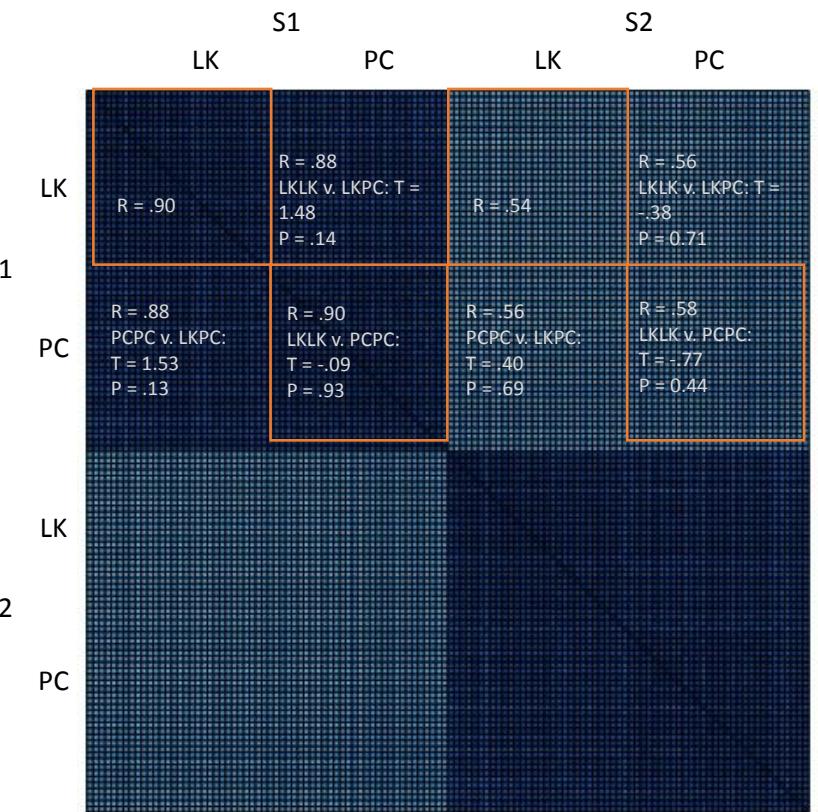


Alpha

Novices

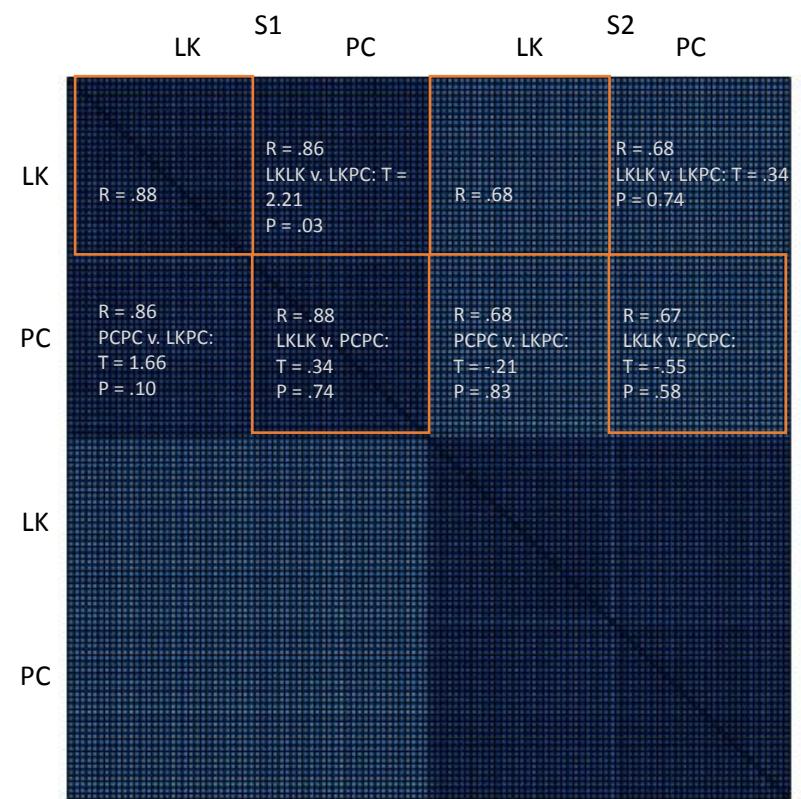


Experts

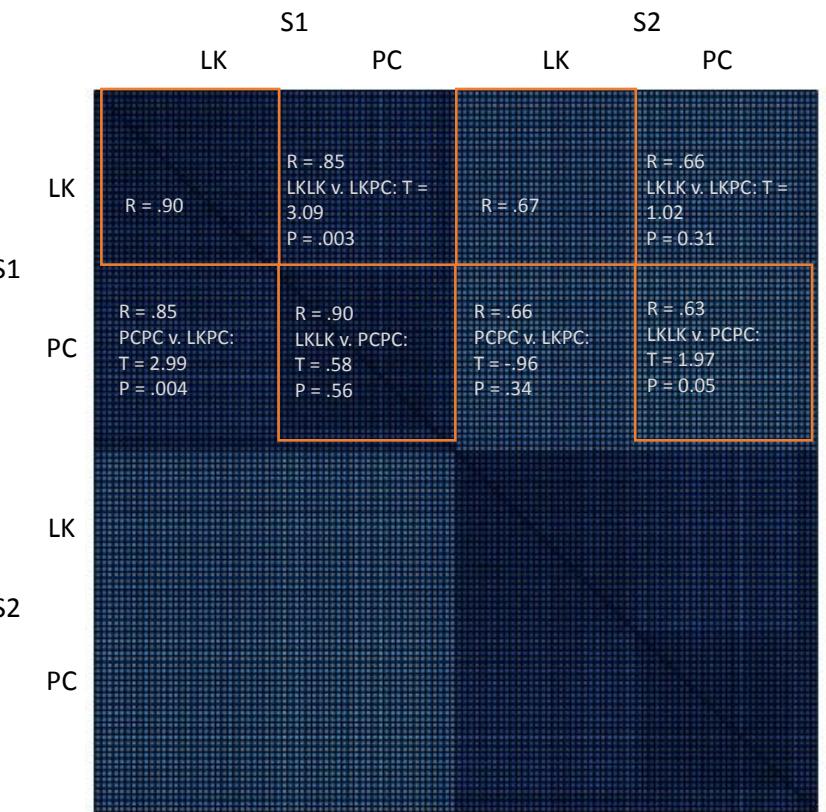


Delta

Novices

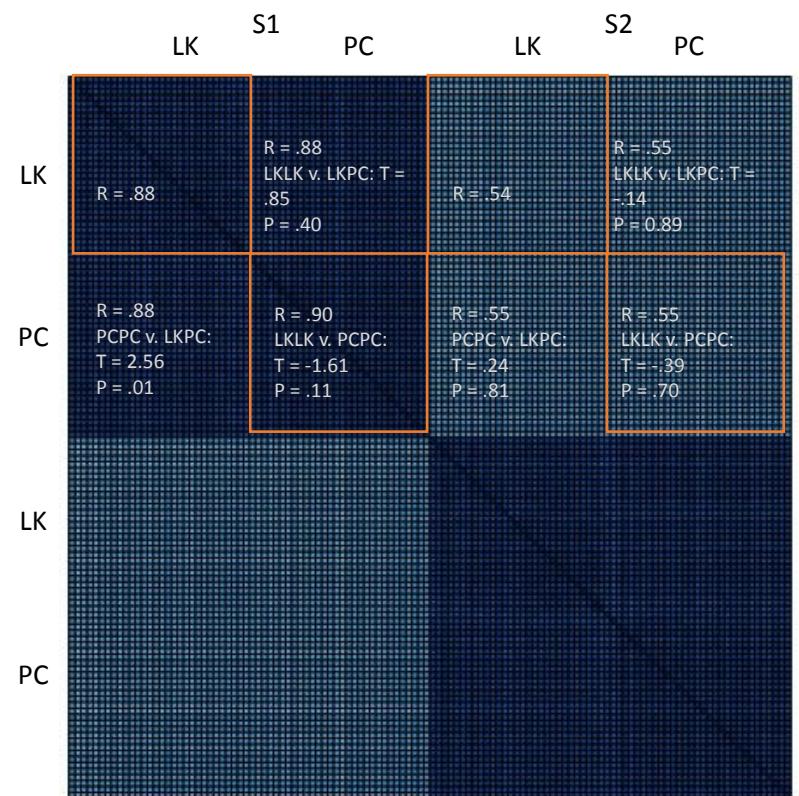


Experts

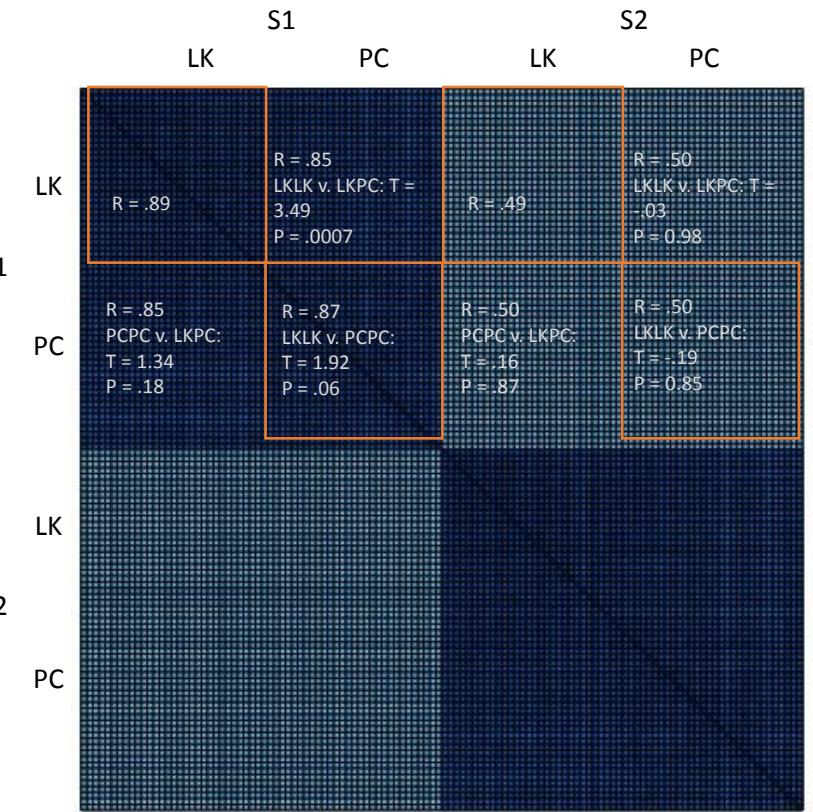


Theta

Novices

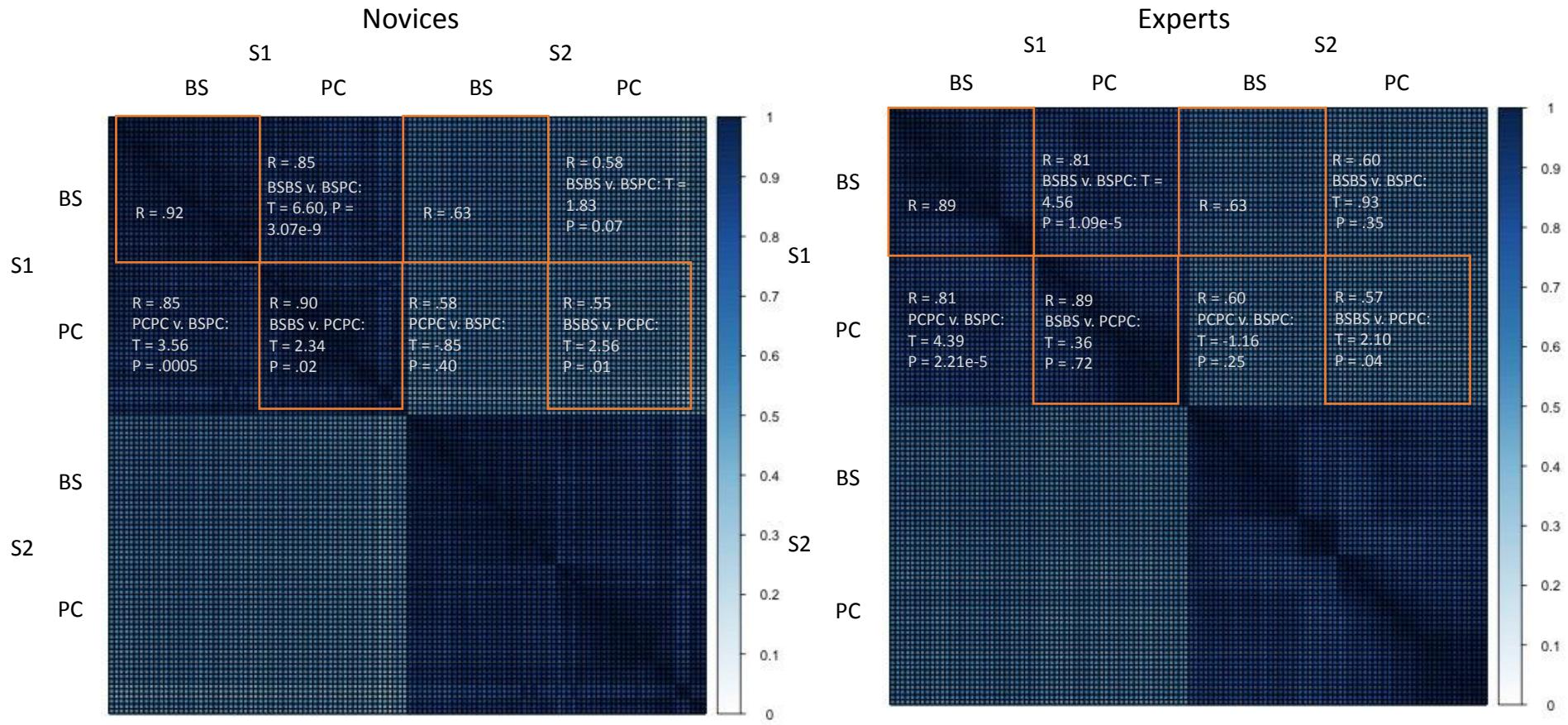


Experts



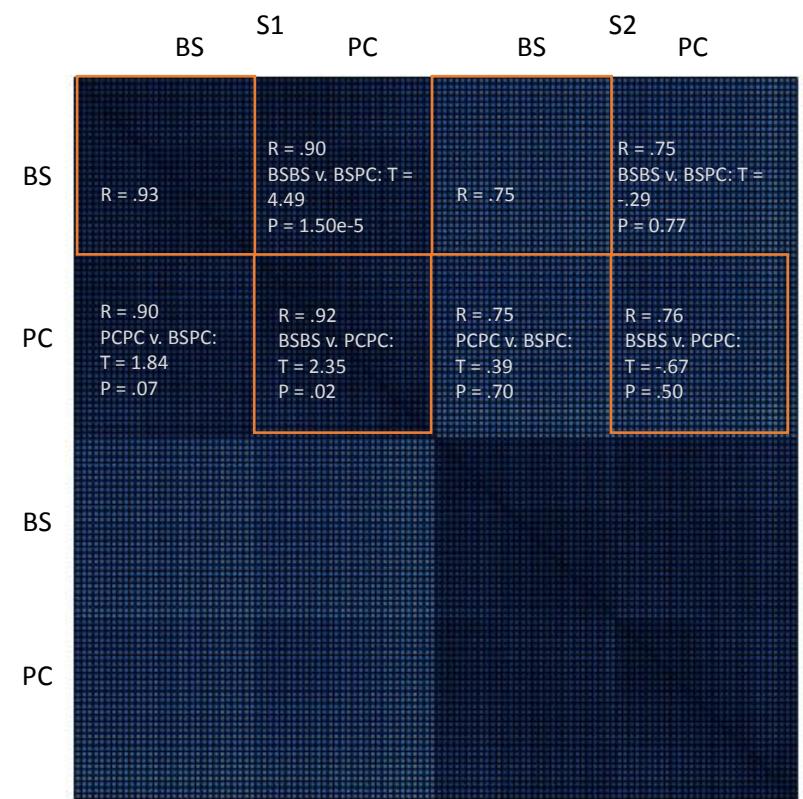
Comparison Set 2: BS v. PC

Gamma

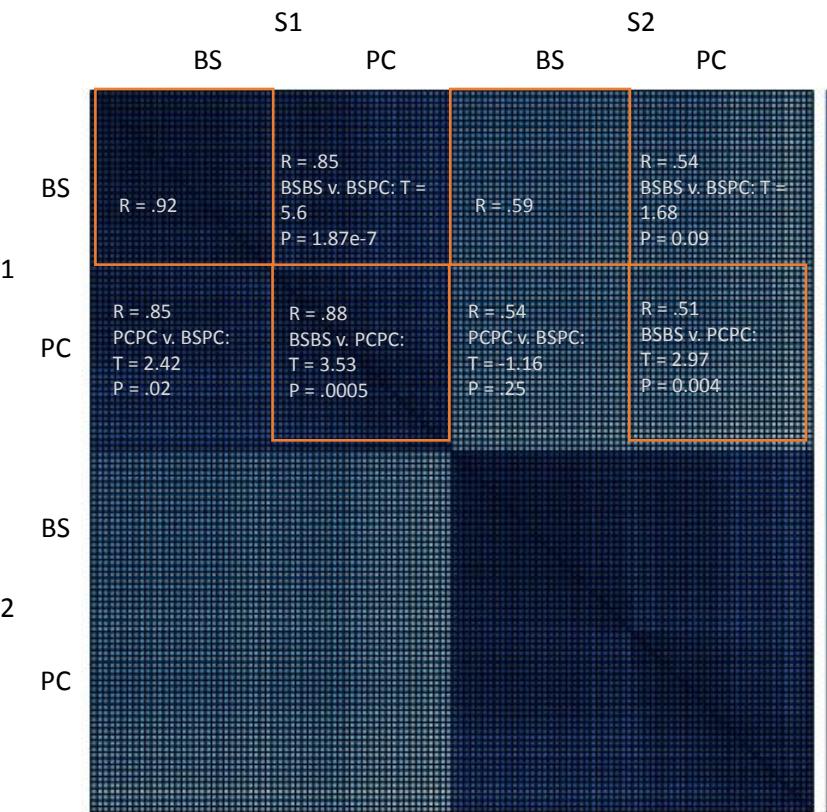


Beta

Novices

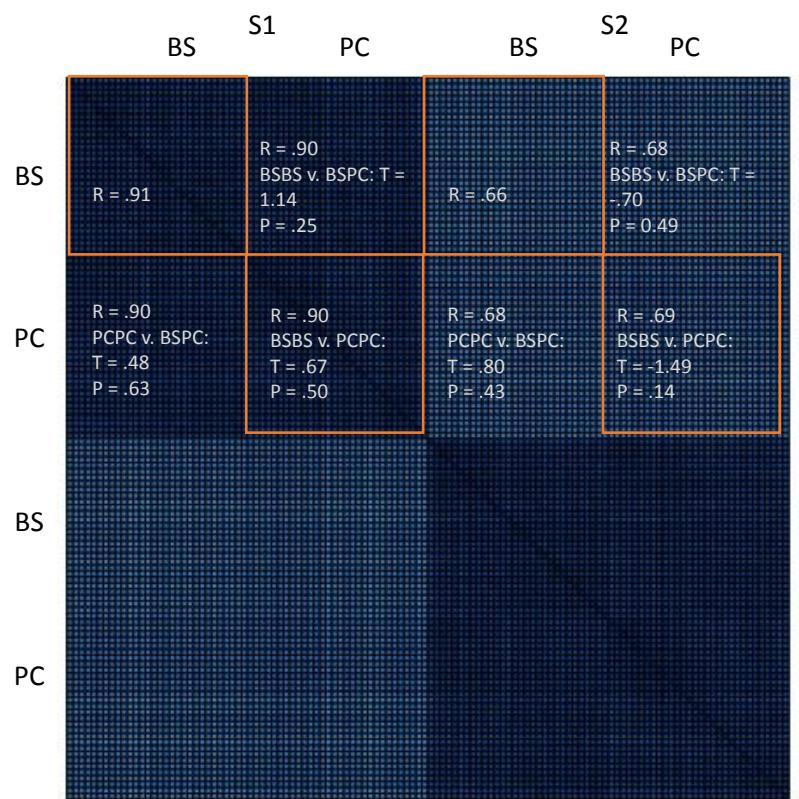


Experts

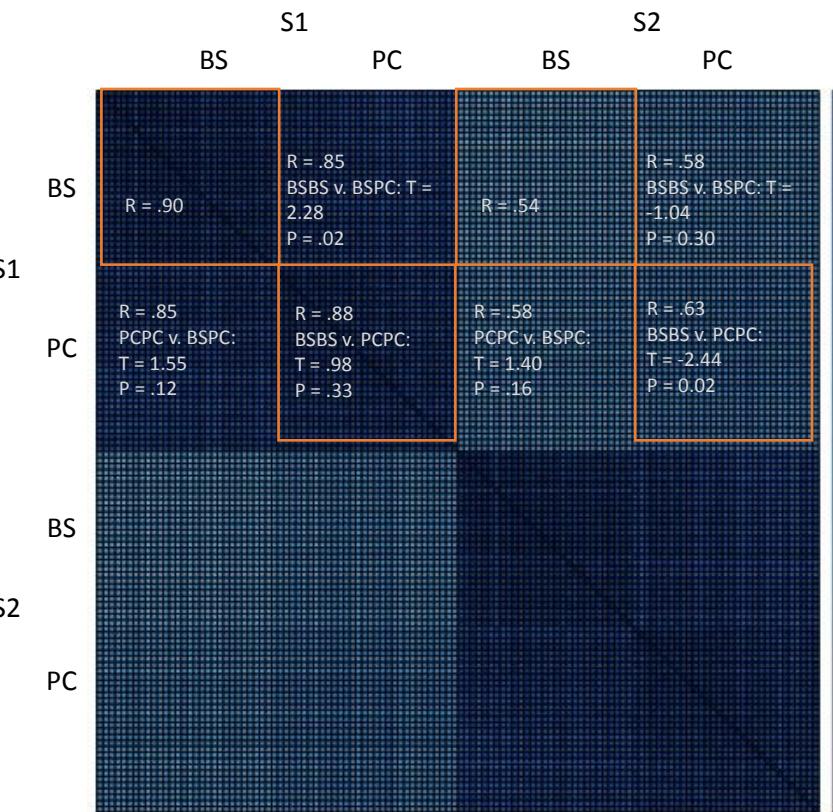


Alpha

Novices

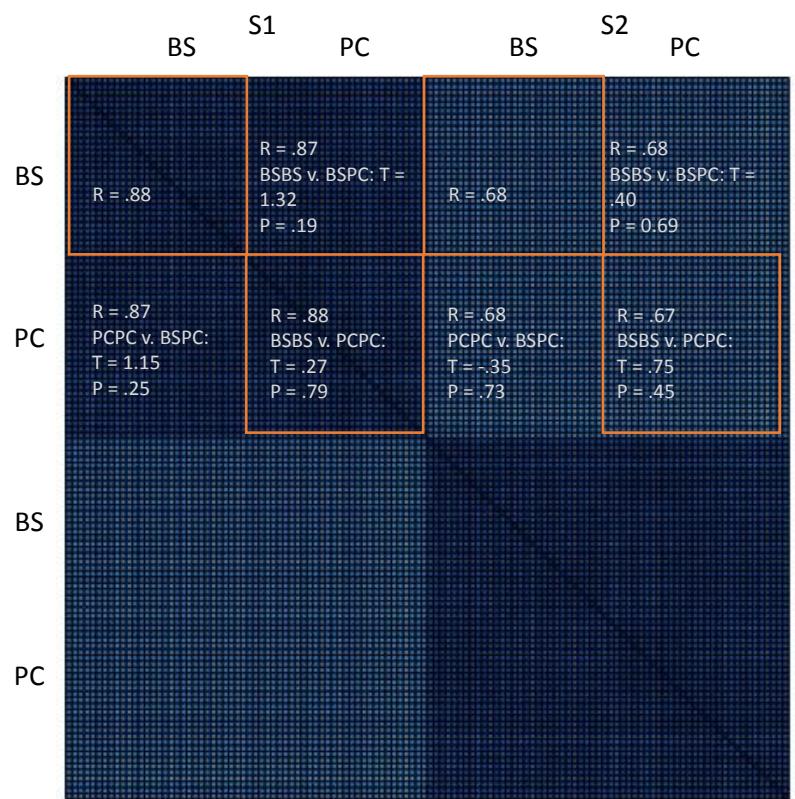


Experts

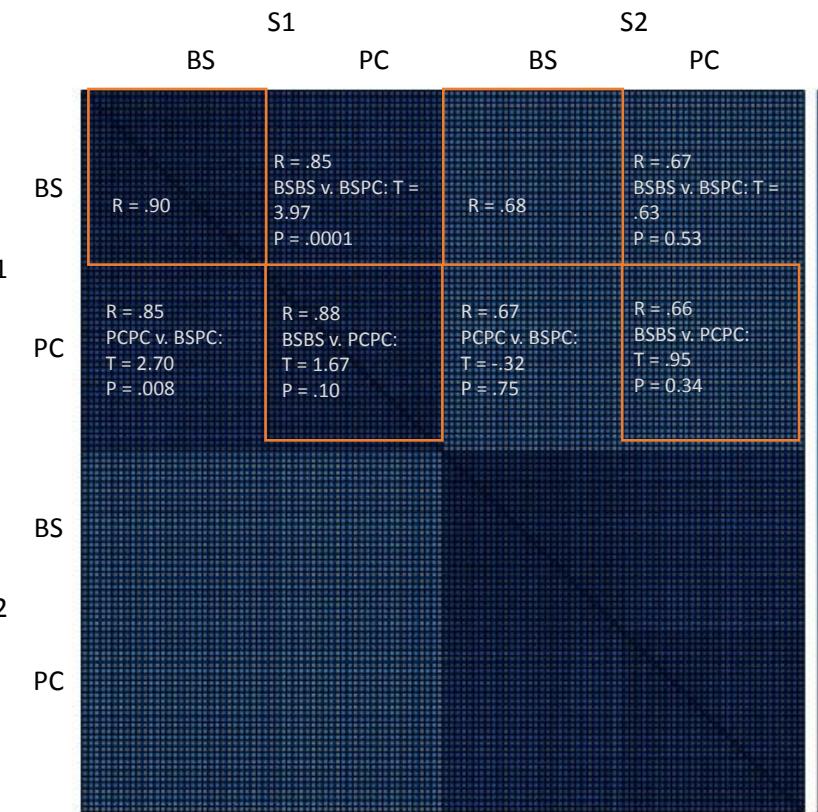


Delta

Novices

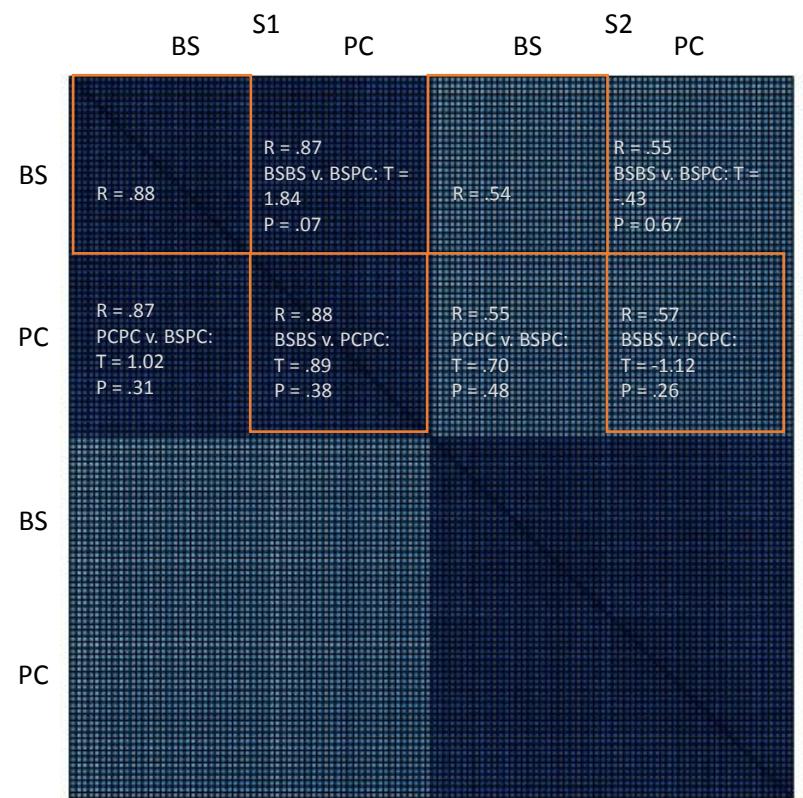


Experts

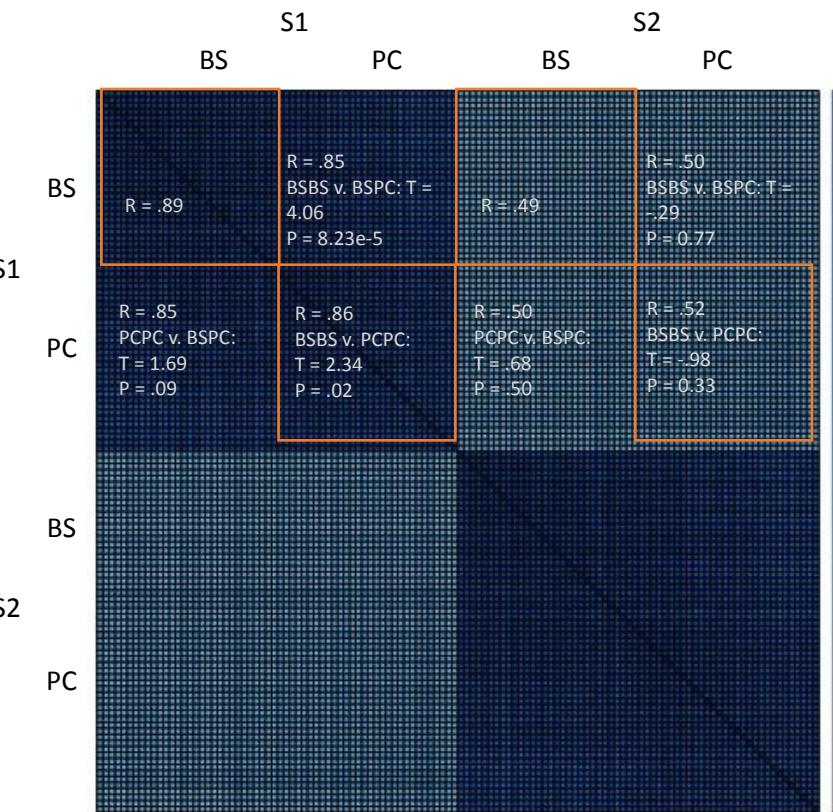


Theta

Novices

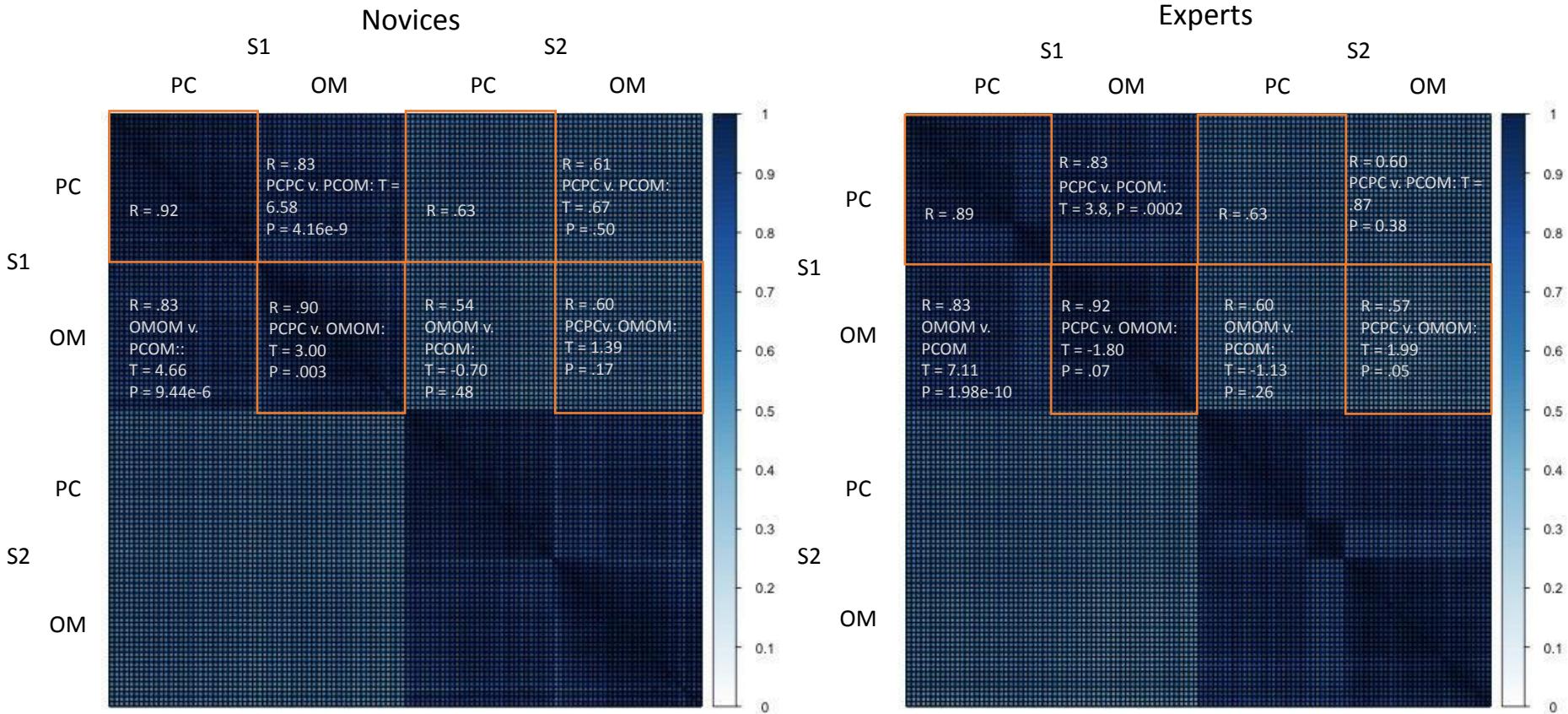


Experts



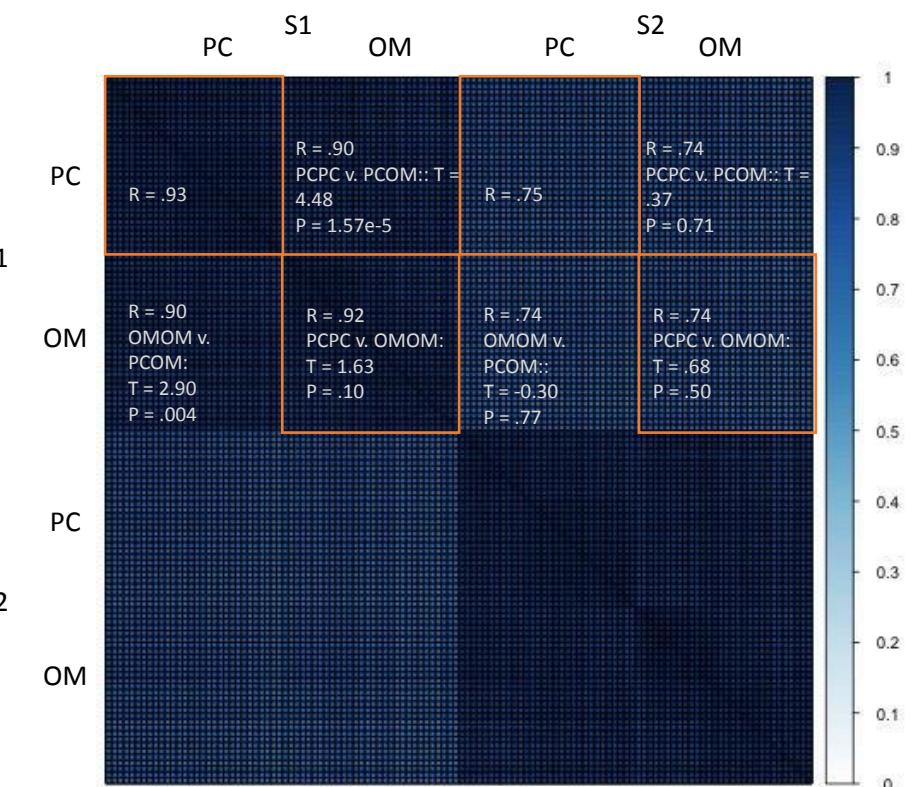
Comparison Set 3: OM v. PC

Gamma

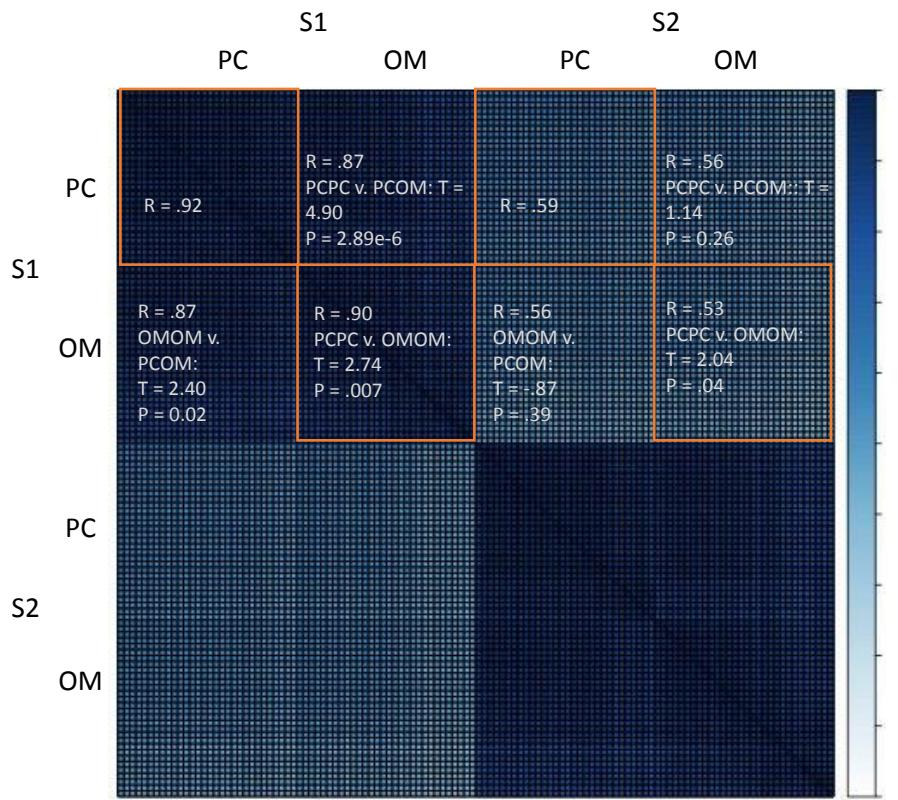


Beta

Novices

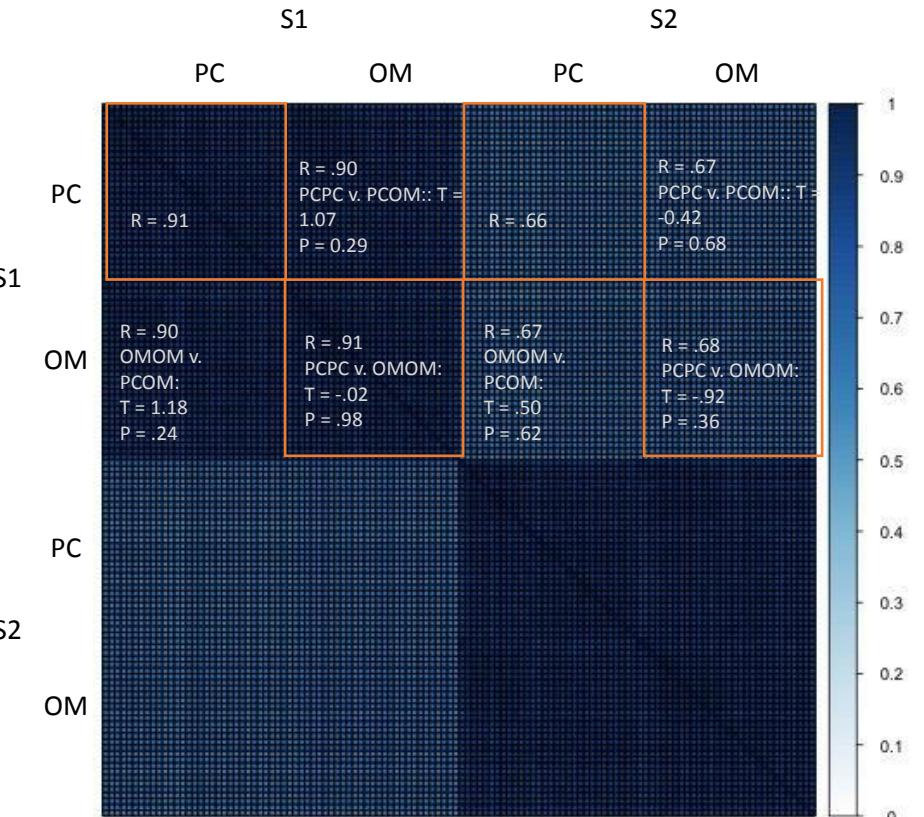


Experts

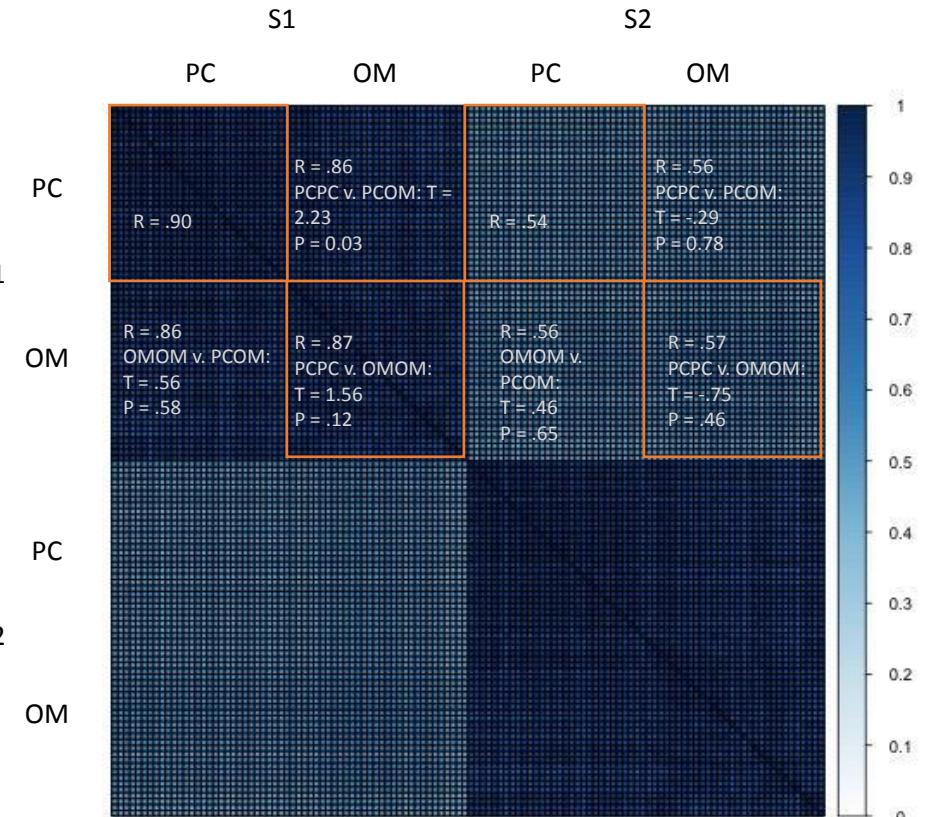


Alpha

Novices

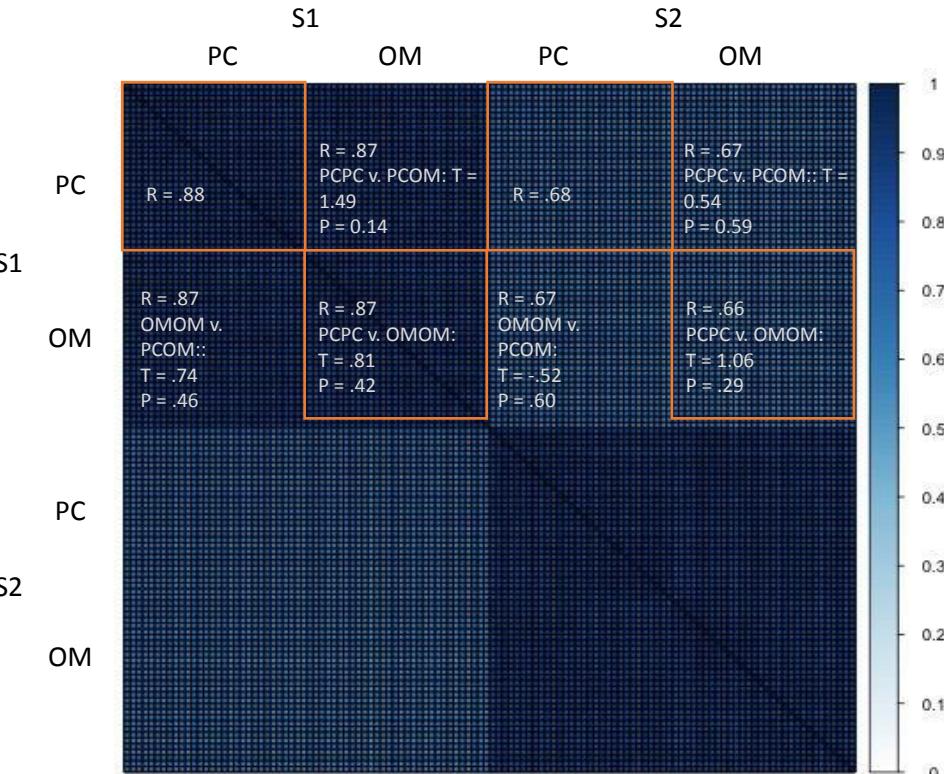


Experts

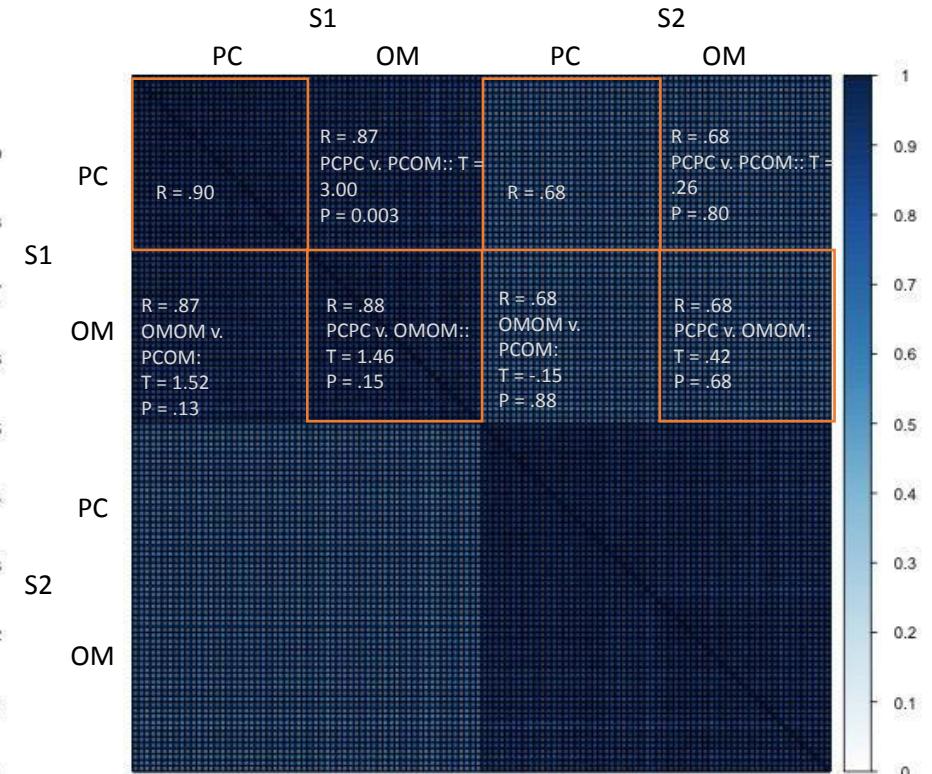


Delta

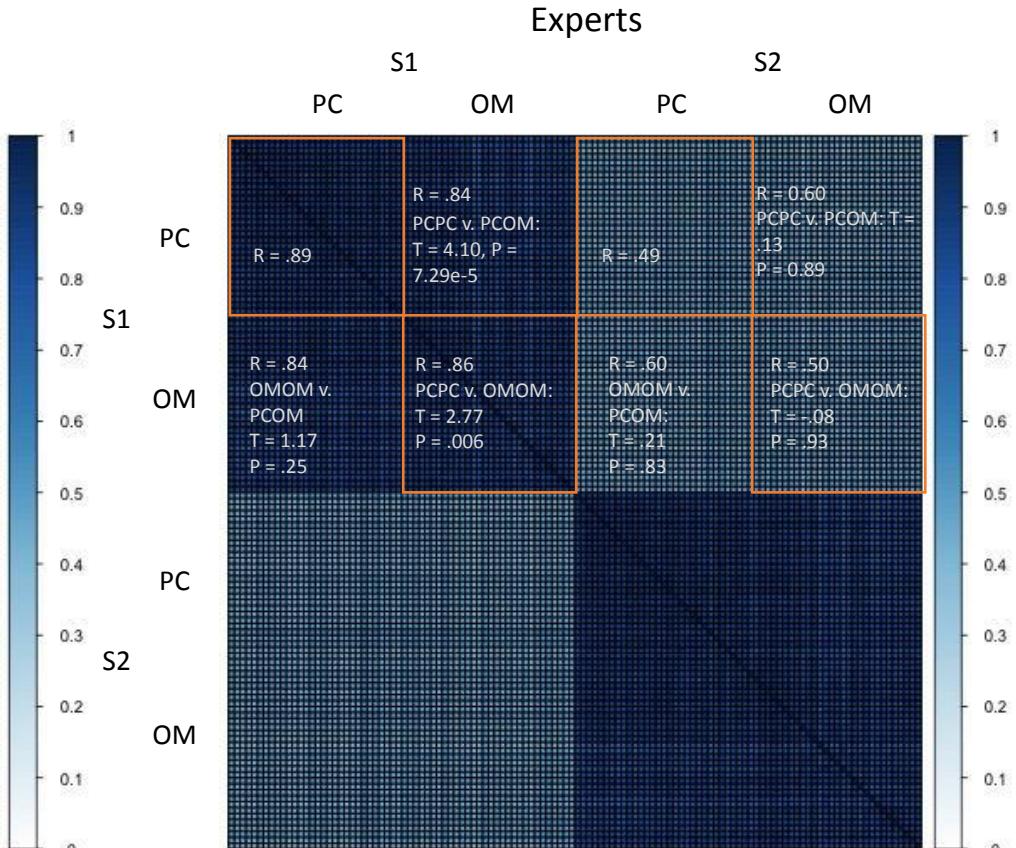
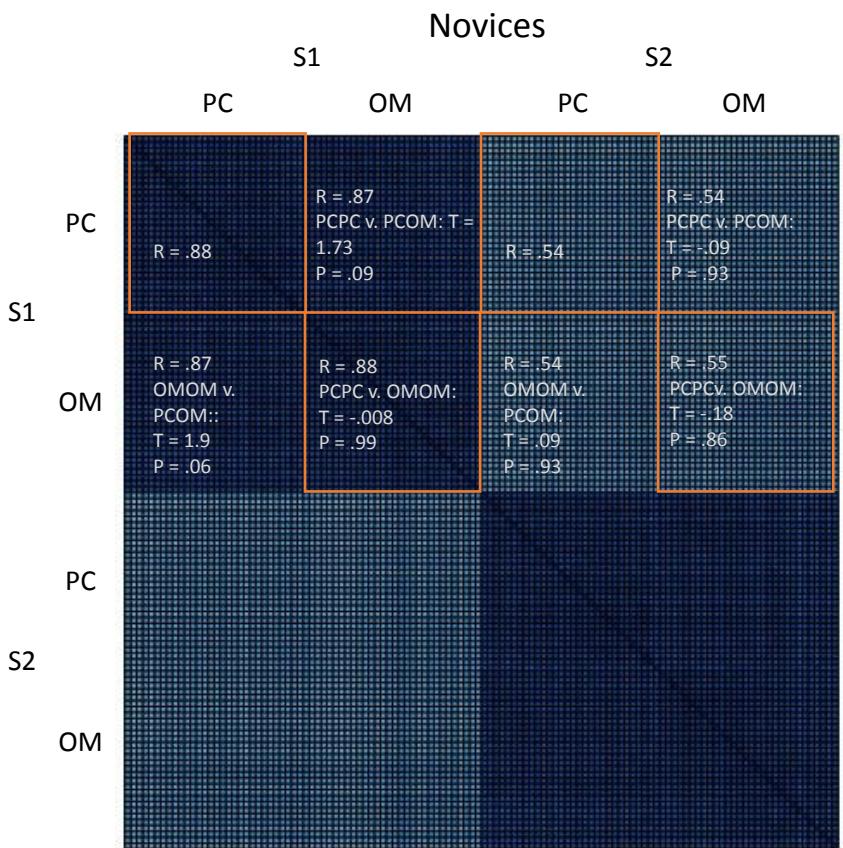
Novices



Experts

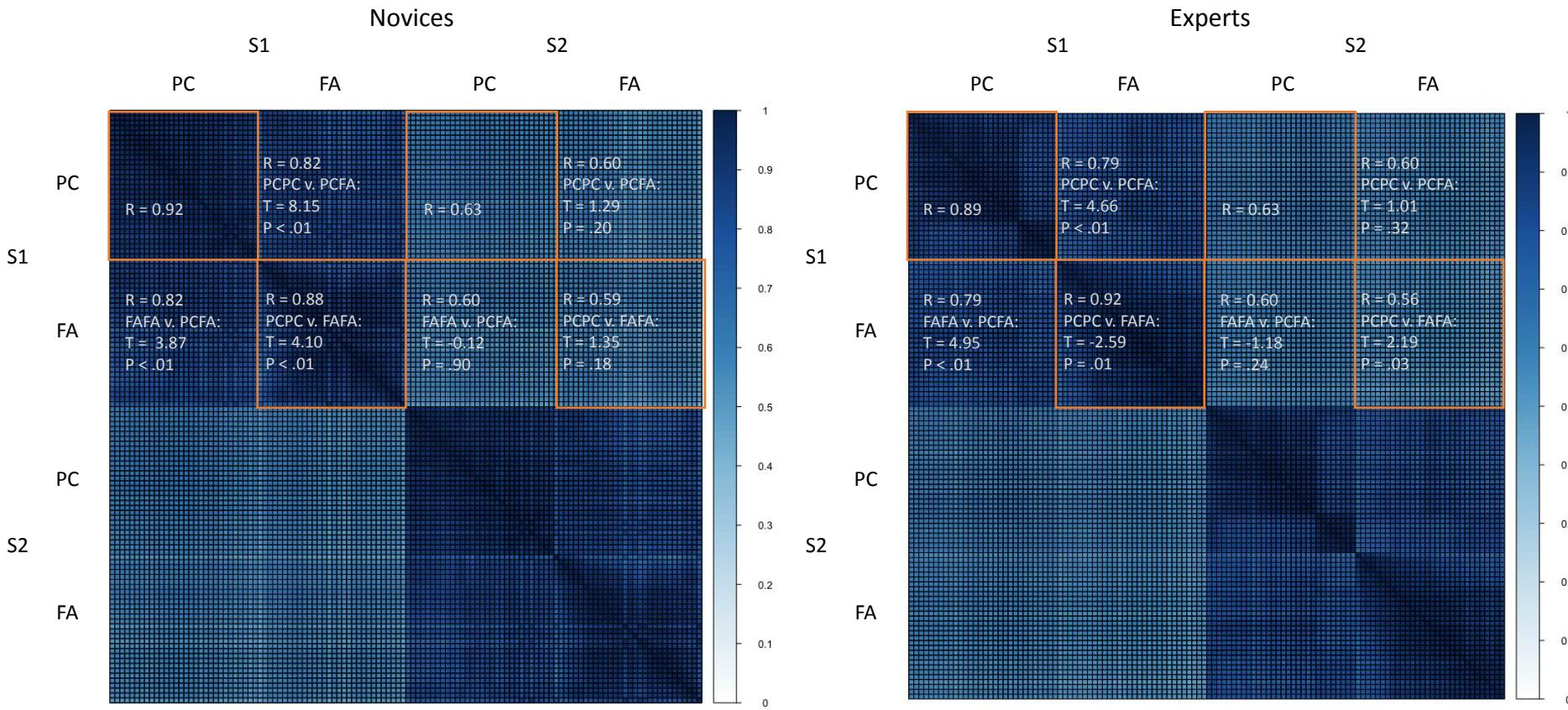


Theta

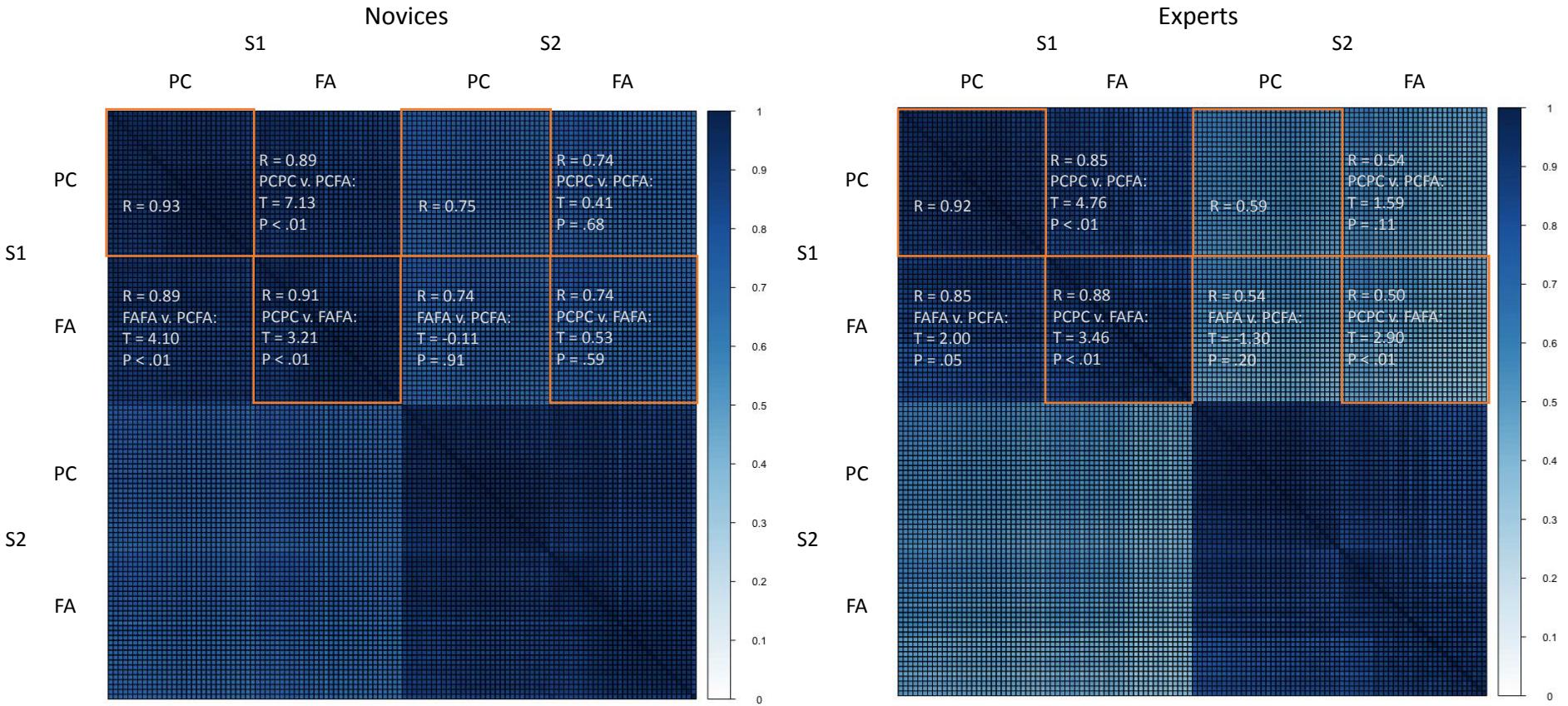


Comparison Set 4: FA v. PC

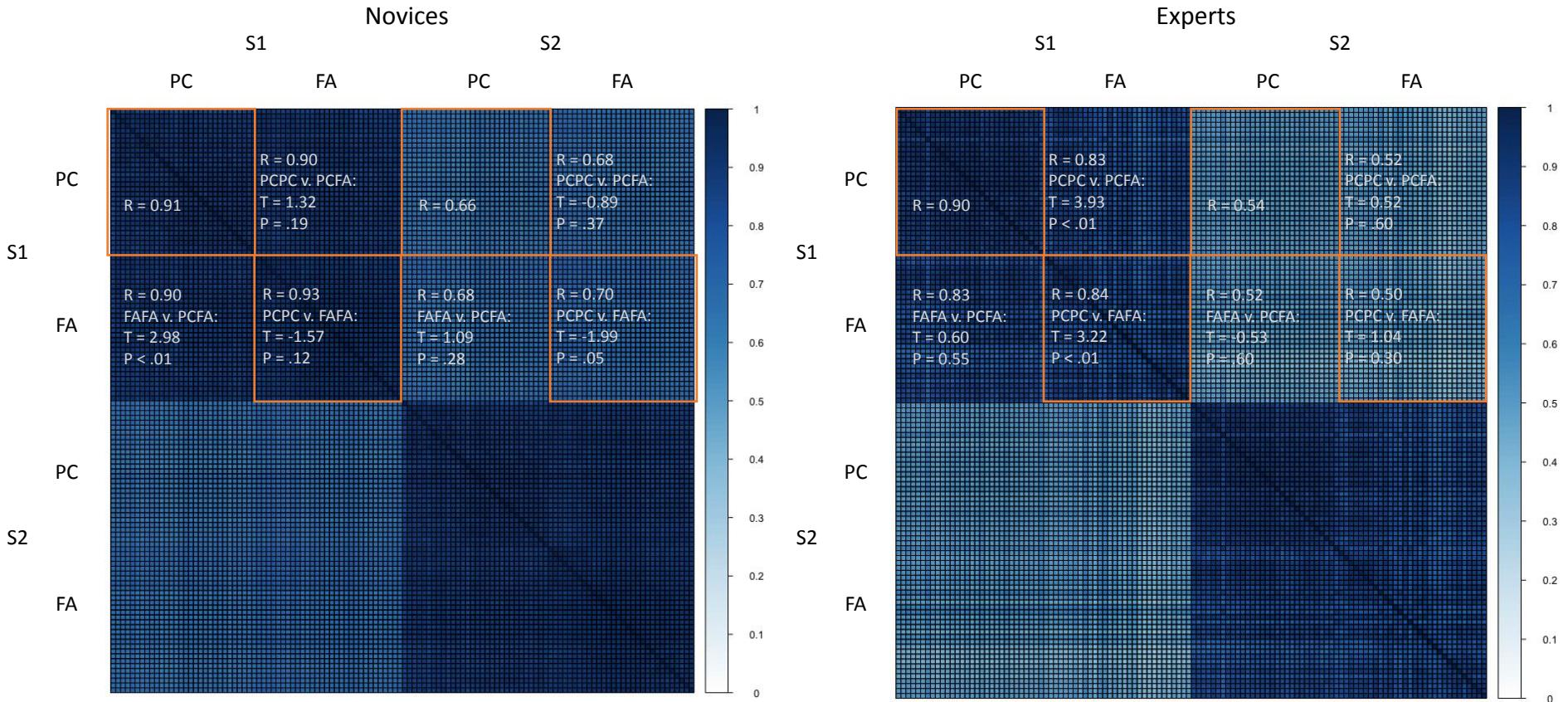
Gamma



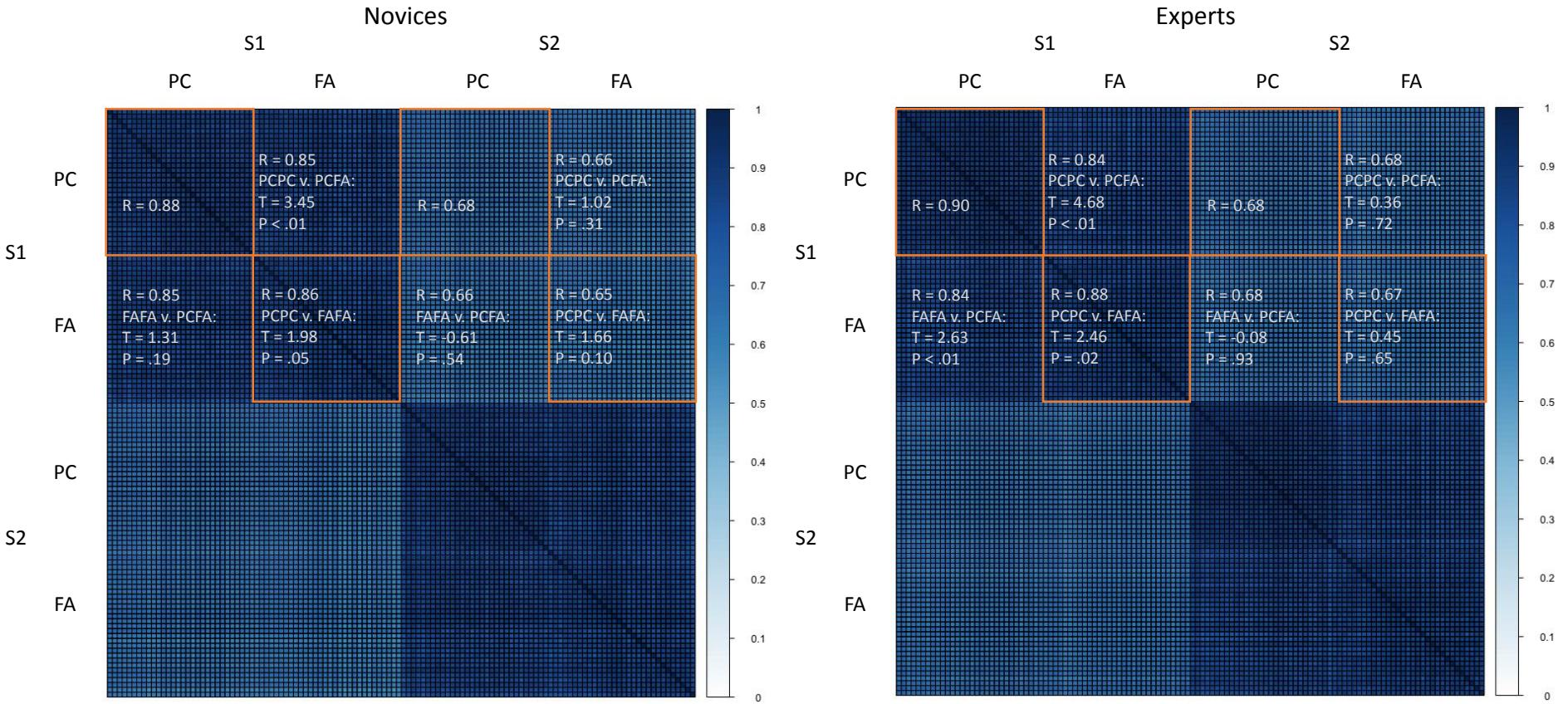
Beta



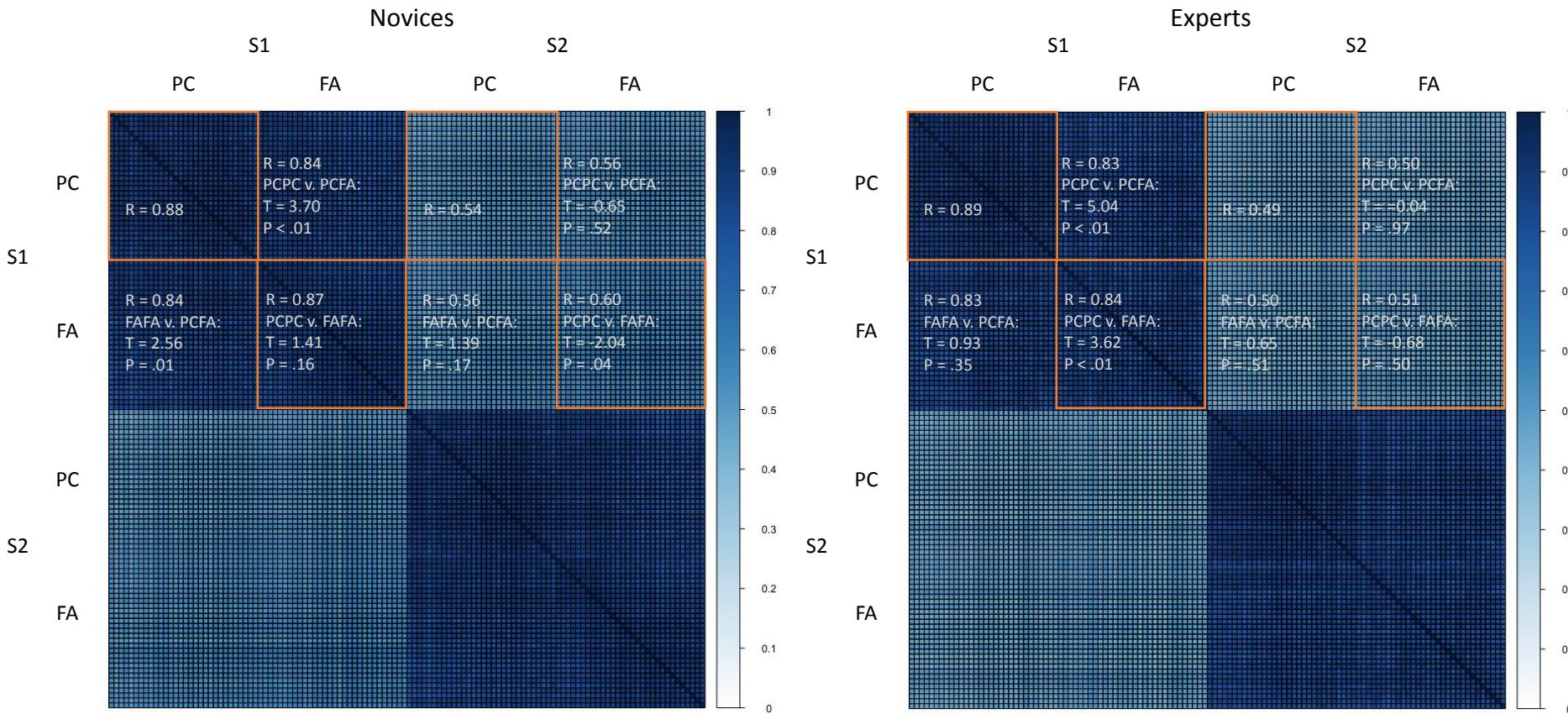
Alpha



Delta

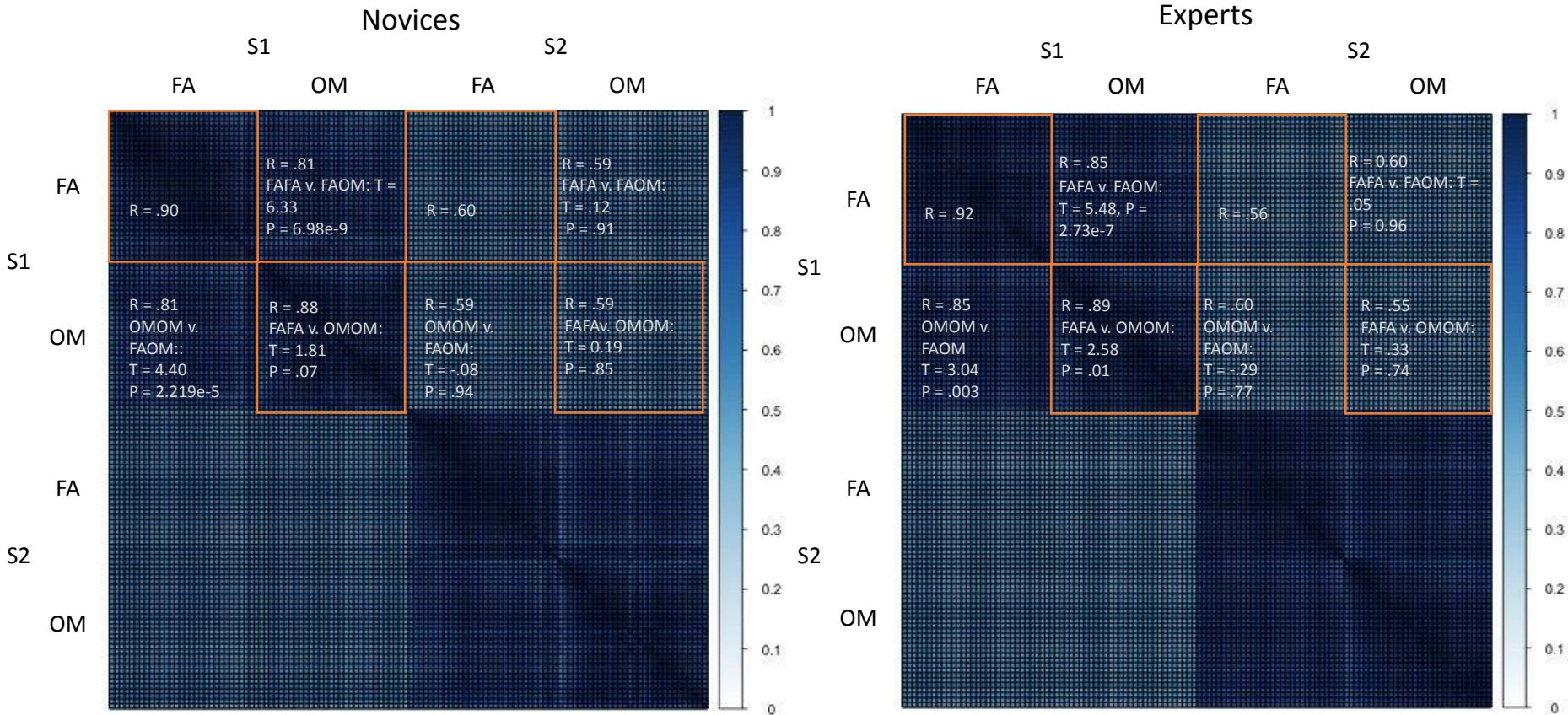


Theta



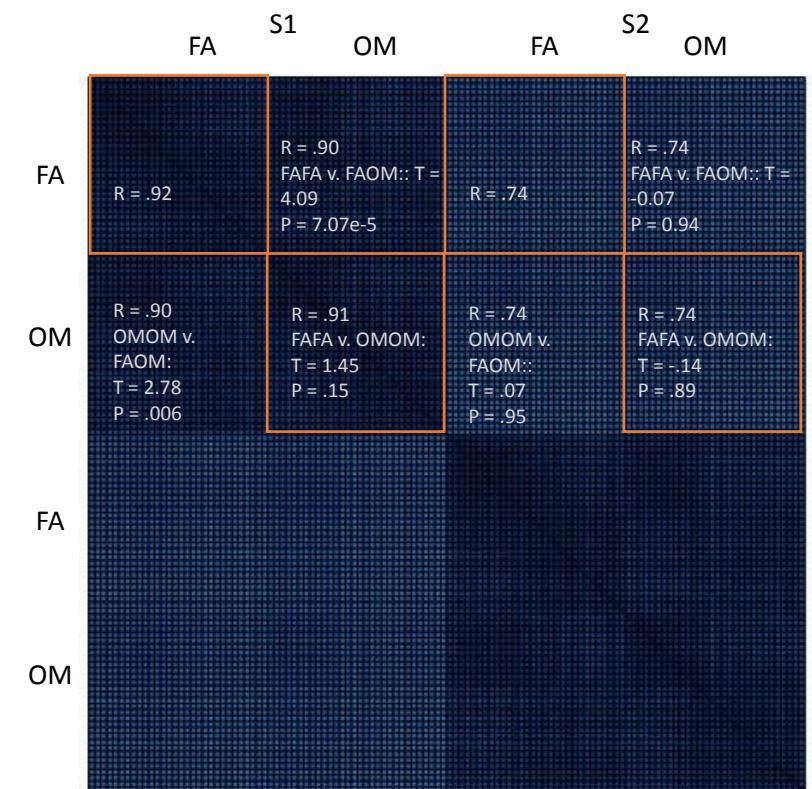
Comparison Set 5: FA v. OM

Gamma

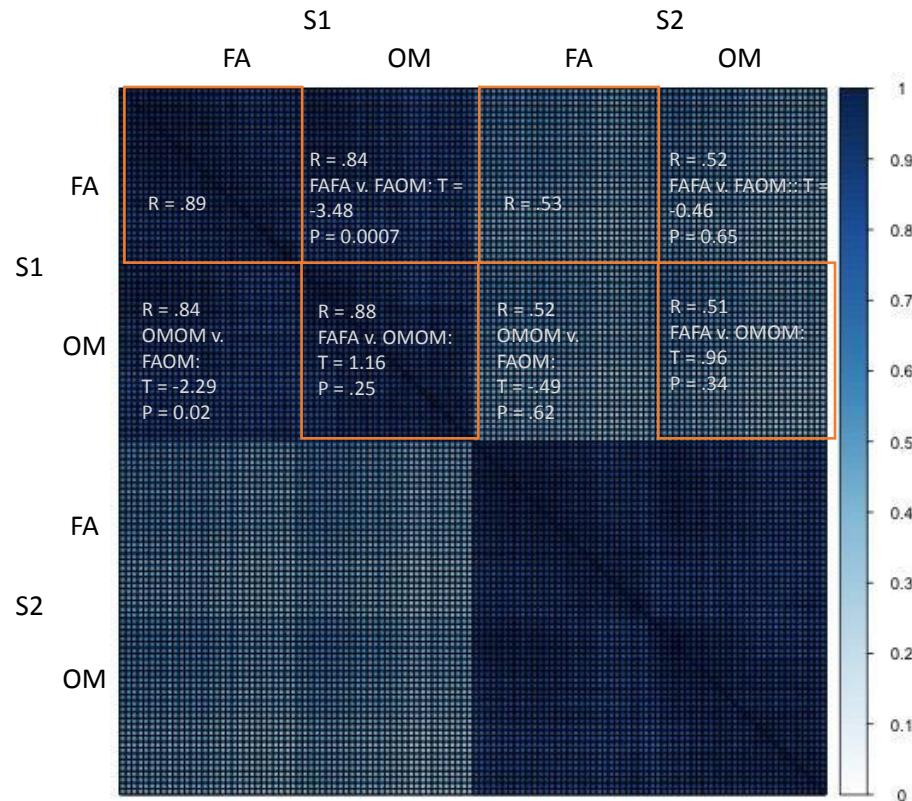


Beta

Novices

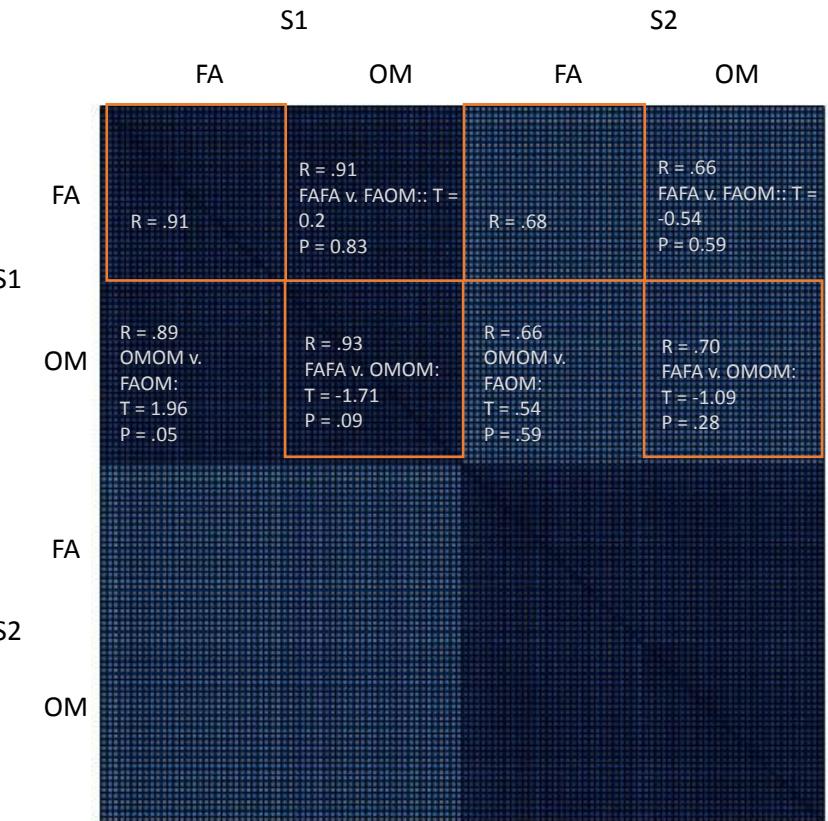


Experts

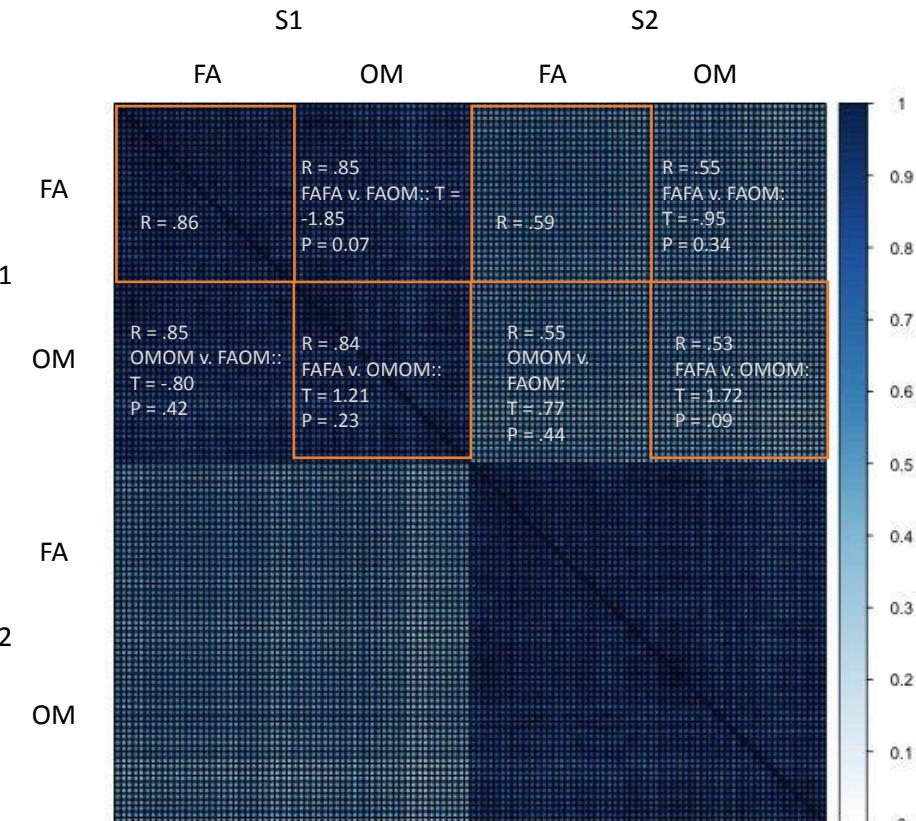


Alpha

Novices

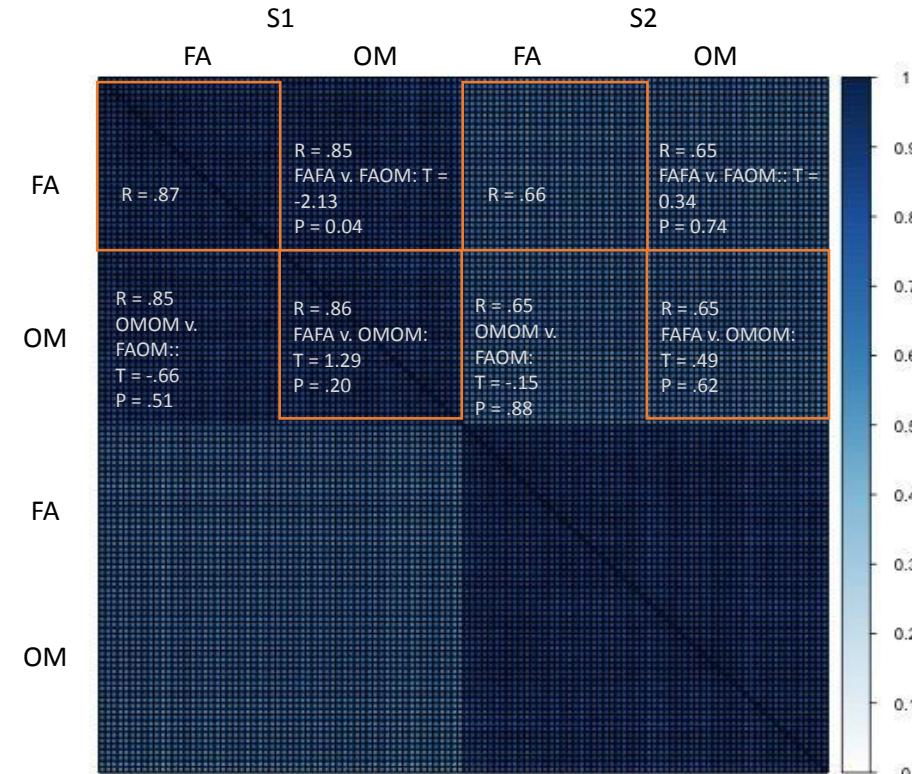


Experts

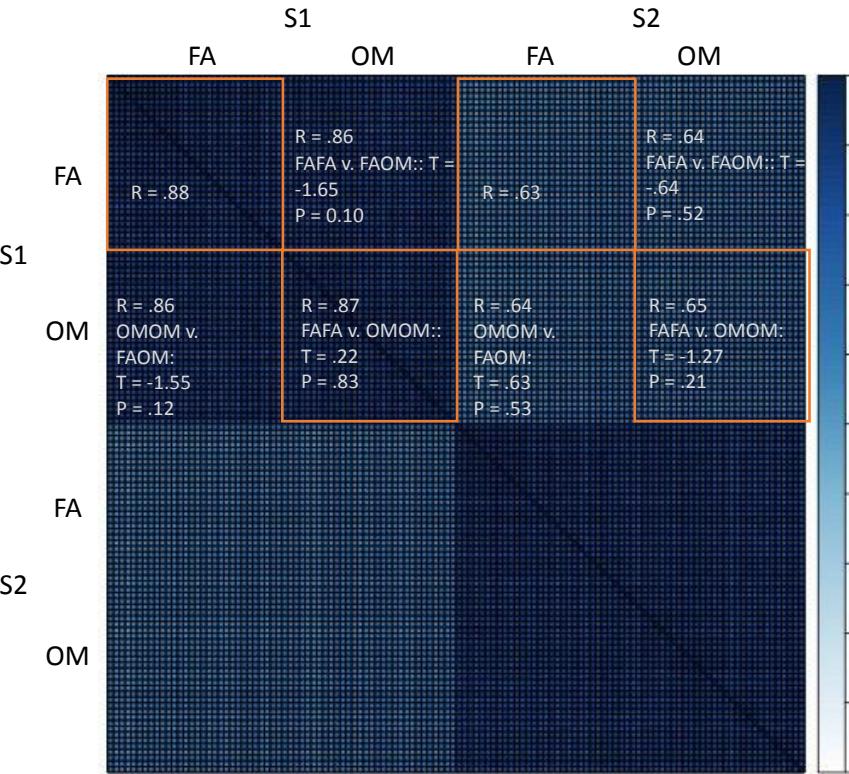


Delta

Novices

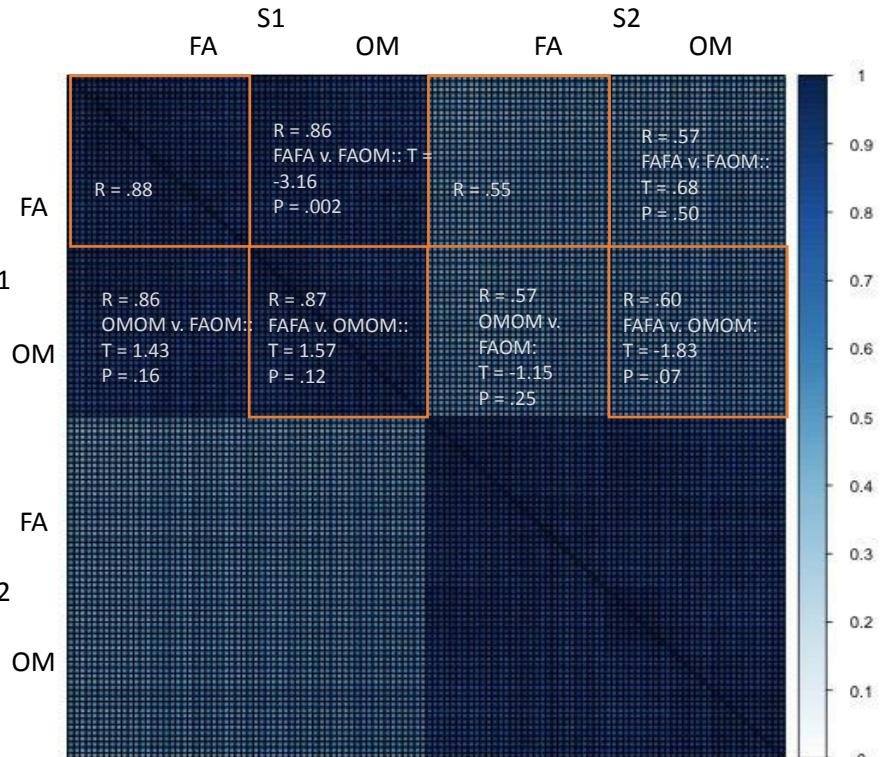


Experts

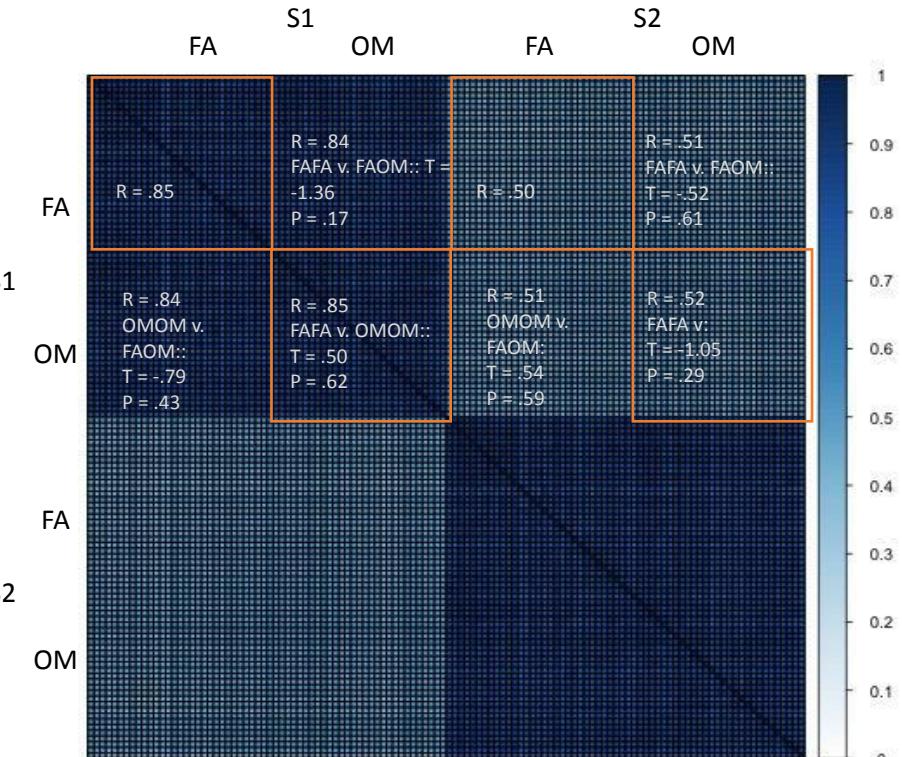


Theta

Novices

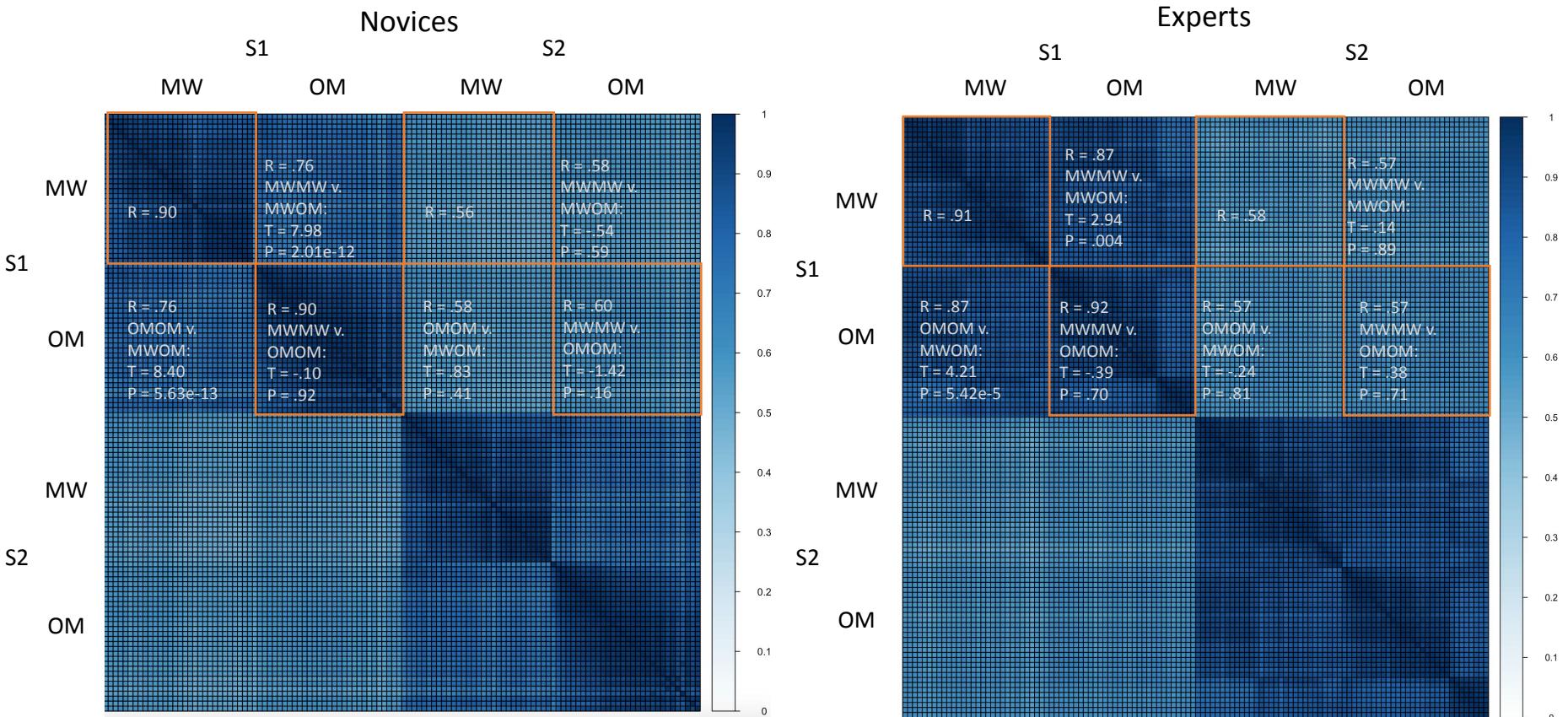


Experts

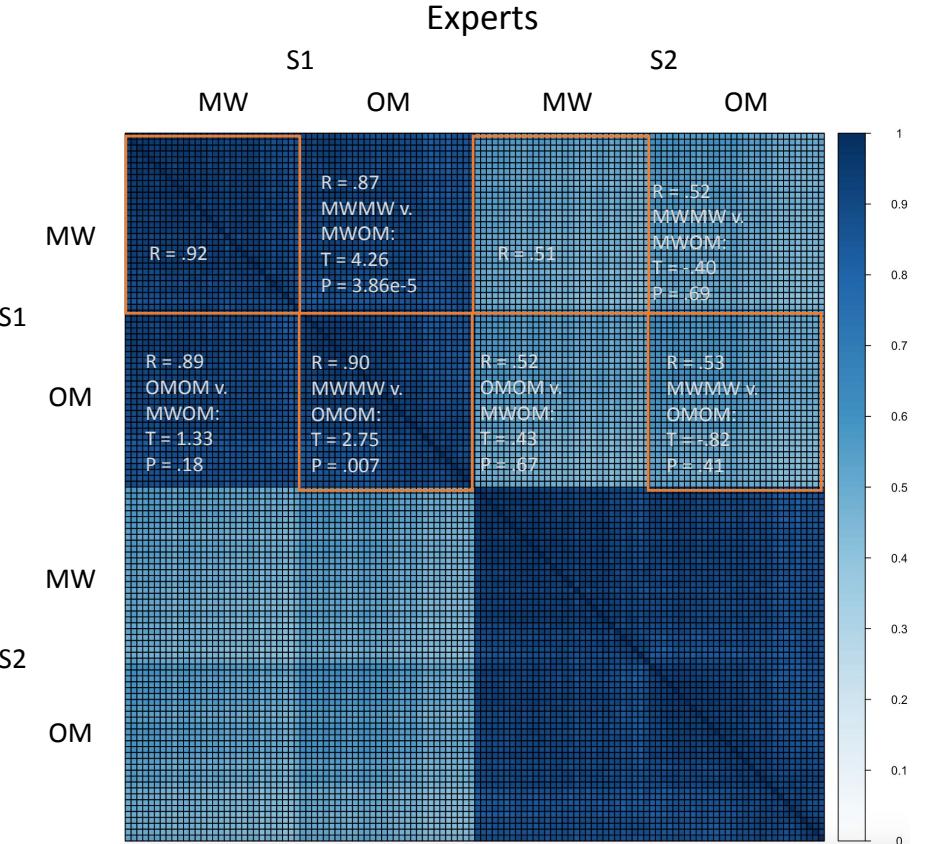
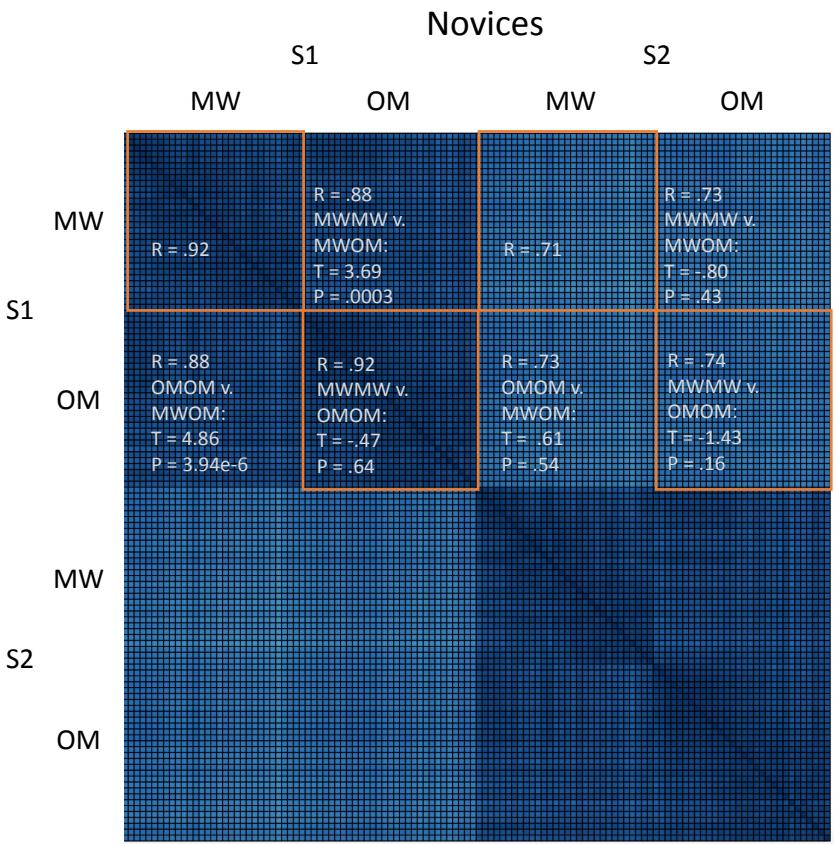


Comparison Set 6: MW v. OM

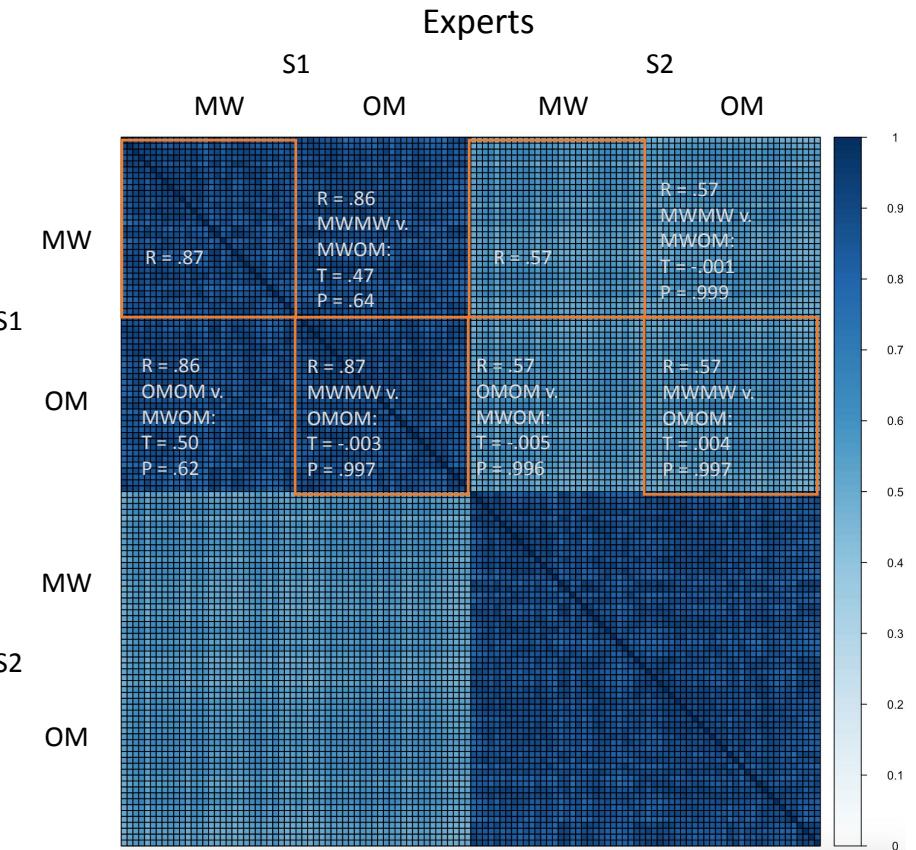
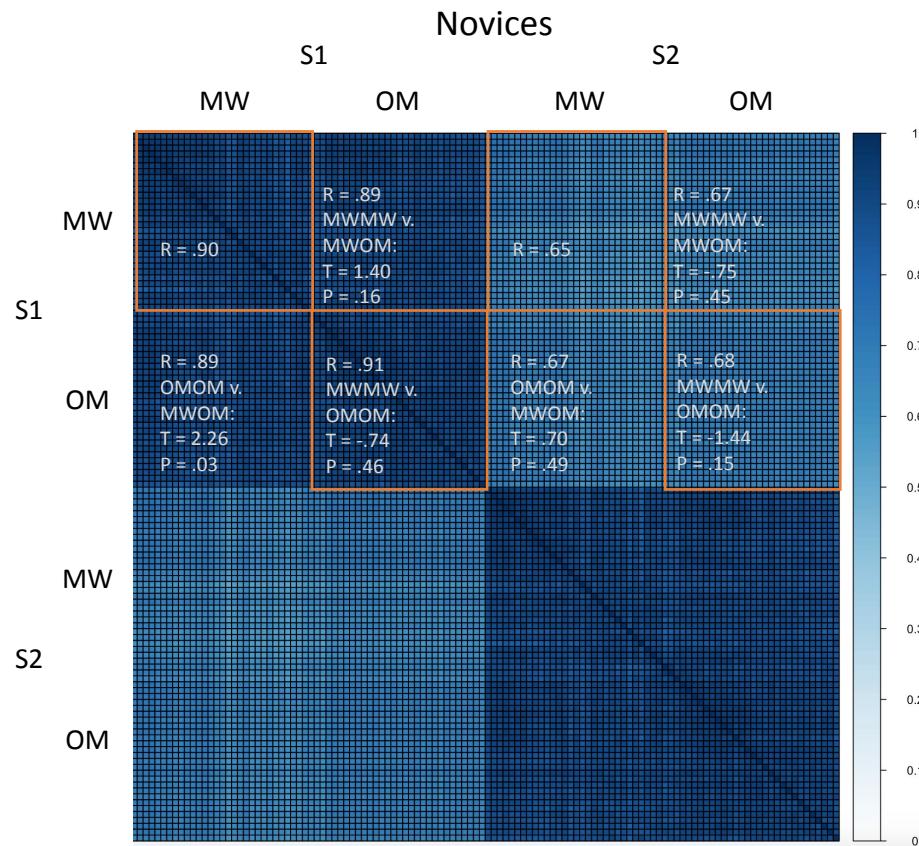
Gamma



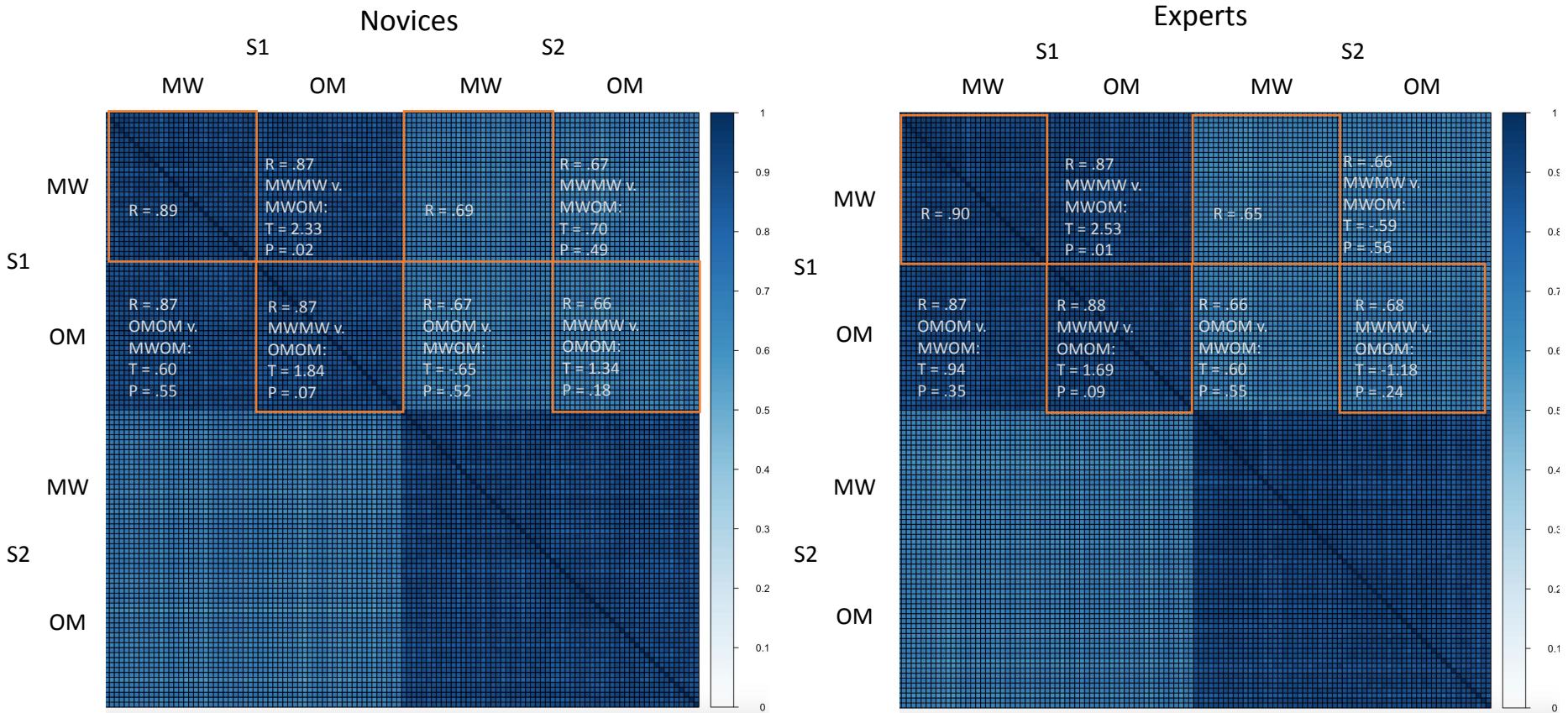
Beta



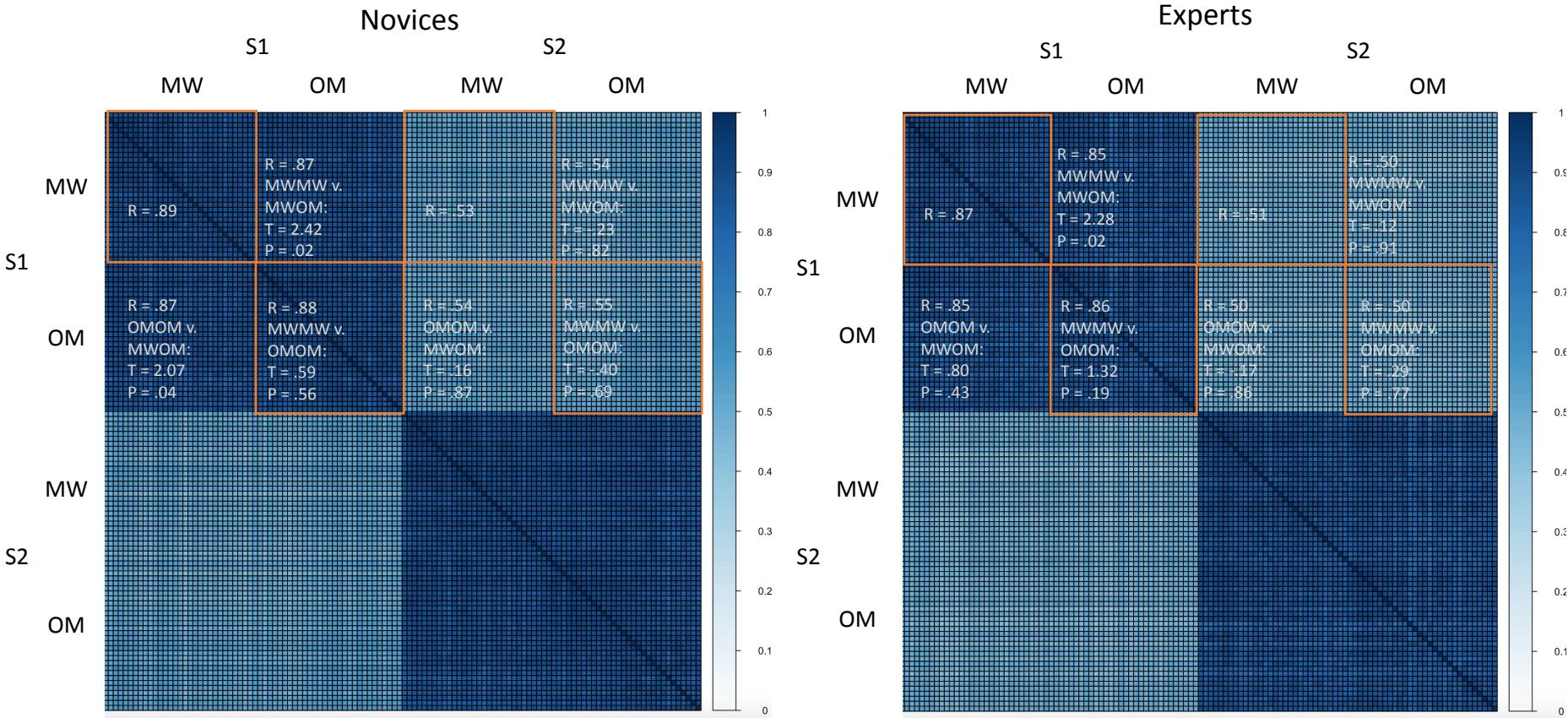
Alpha



Delta



Theta



Analysis/Interpretations

1. Within subject comparisons are generally more differentiable than between subject comparisons.
2. Within-subject is more differentiable in gamma, especially in the top right and bottom left matrices, for both novices and experts, except for OM v. MW alpha band in both novices and experts. However the comparisons in experts have higher p values. Overall, means that neural activity in OM and MW is generally not differentiable, likely because of how similar they are in nature.
3. Comparisons are least differentiable in the delta band.
4. Pretty specific, but thought this was still worth mentioning: There is less differentiation within subjects in experts in the bottom right matrix in (mostly) the gamma band, (often) the other bands, however more differentiation in theta as compared to the other bands, except for the final 2 comparisons (only comparisons which include OM).
5. The FA v. PC comparisons are the most differentiable, while all other sets were neither more or less differentiable than the other sets.
6. Between subjects, experts are more differentiable and differentiation tends to occur in the gamma and beta bands for both novices and experts.
7. Within subjects, experts are neither more nor less differentiable than novices.