

Figure S1. Preference scores related to Fig. 1A.

Odour preference scores underlying the Performance Indices (PIs) from Fig. 1A. The light grey boxes represent preferences after paired training (Pref AM+) and the dark grey boxes represent preferences after unpaired training (Pref EM+).

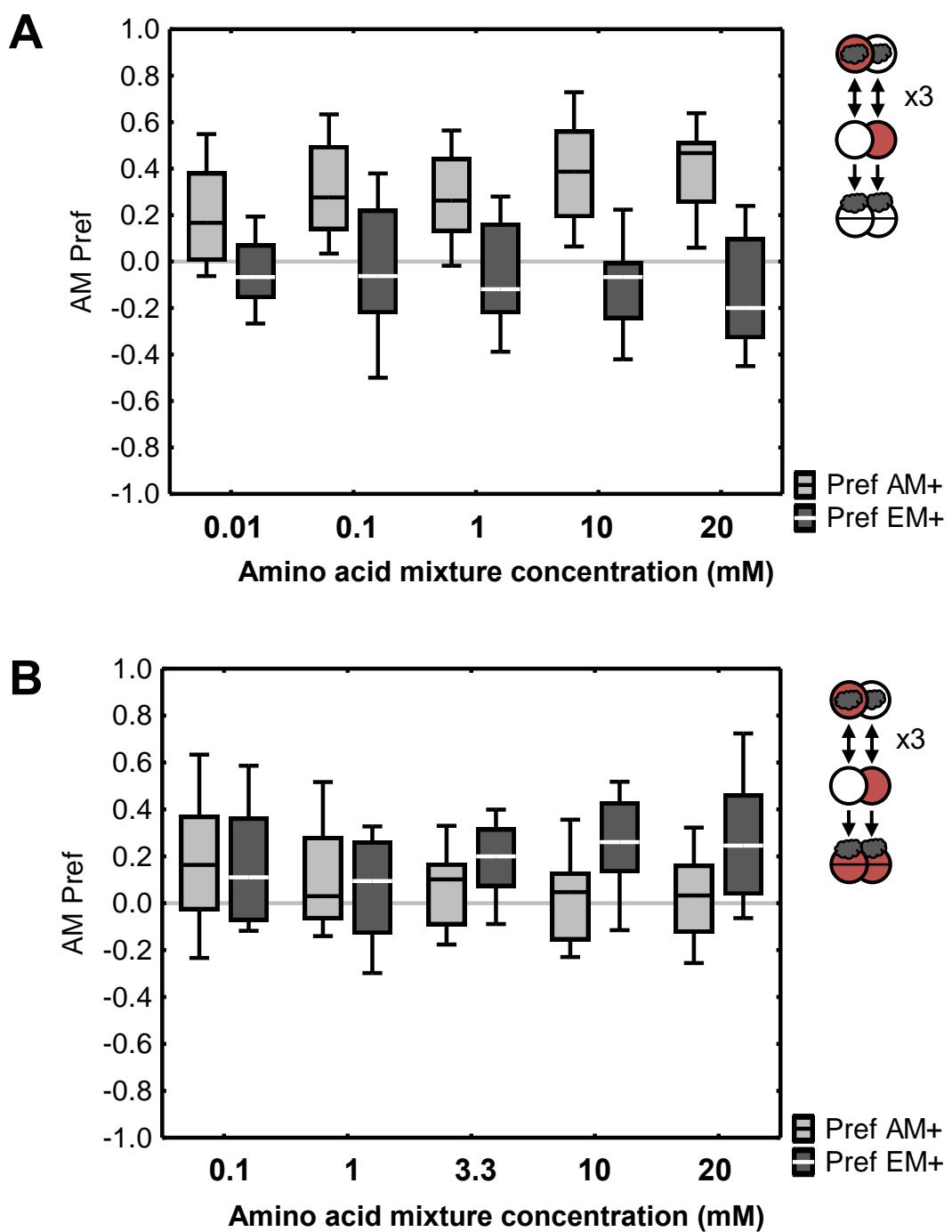


Figure S2. Preference scores related to Fig. 2.

Odour preference scores underlying the Performance Indices (PIs) from (A) Fig. 2A and (B) Fig. 2B. The light grey boxes represent preferences after paired training (Pref AM+) and the dark grey boxes represent preferences after unpaired training (Pref EM+).

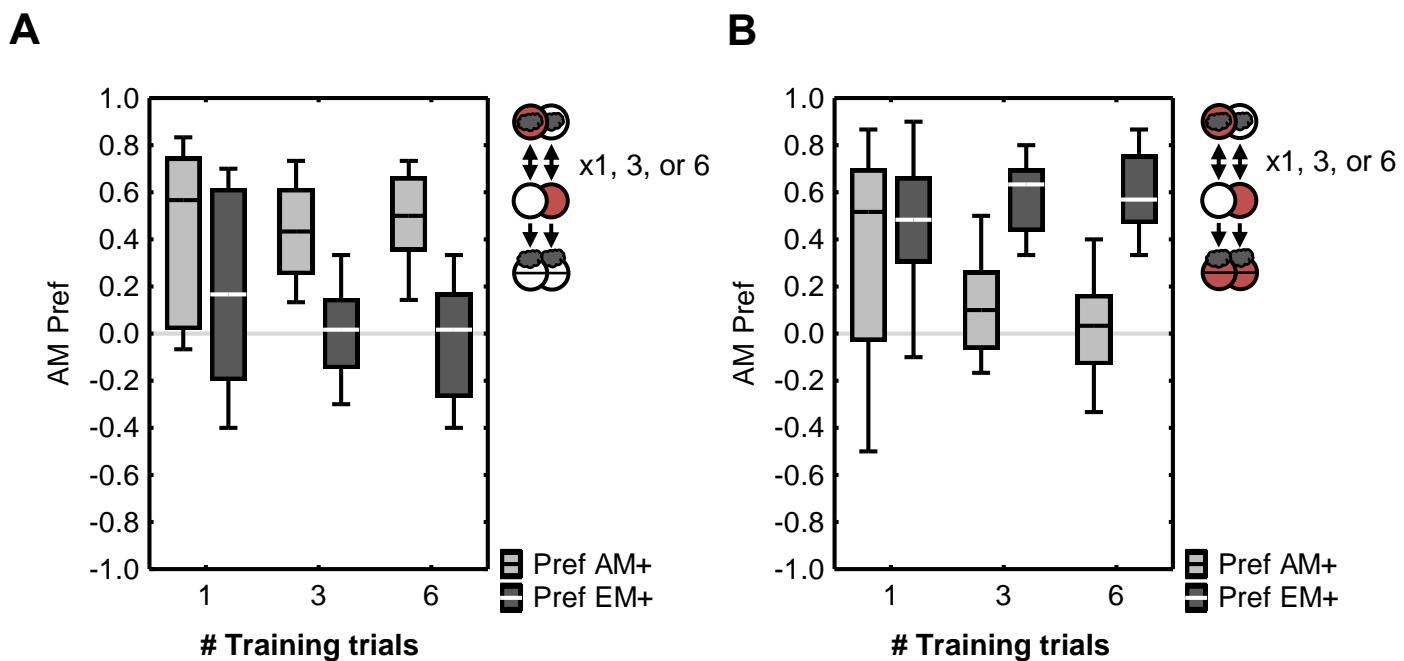


Figure S3. Preference scores related to Fig. 3.

Odour preference scores underlying the Performance Indices (PIs) from (A) Fig. 3A and (B) Fig. 3B. The light grey boxes represent preferences after paired training (Pref AM+) and the dark grey boxes represent preferences after unpaired training (Pref EM+).

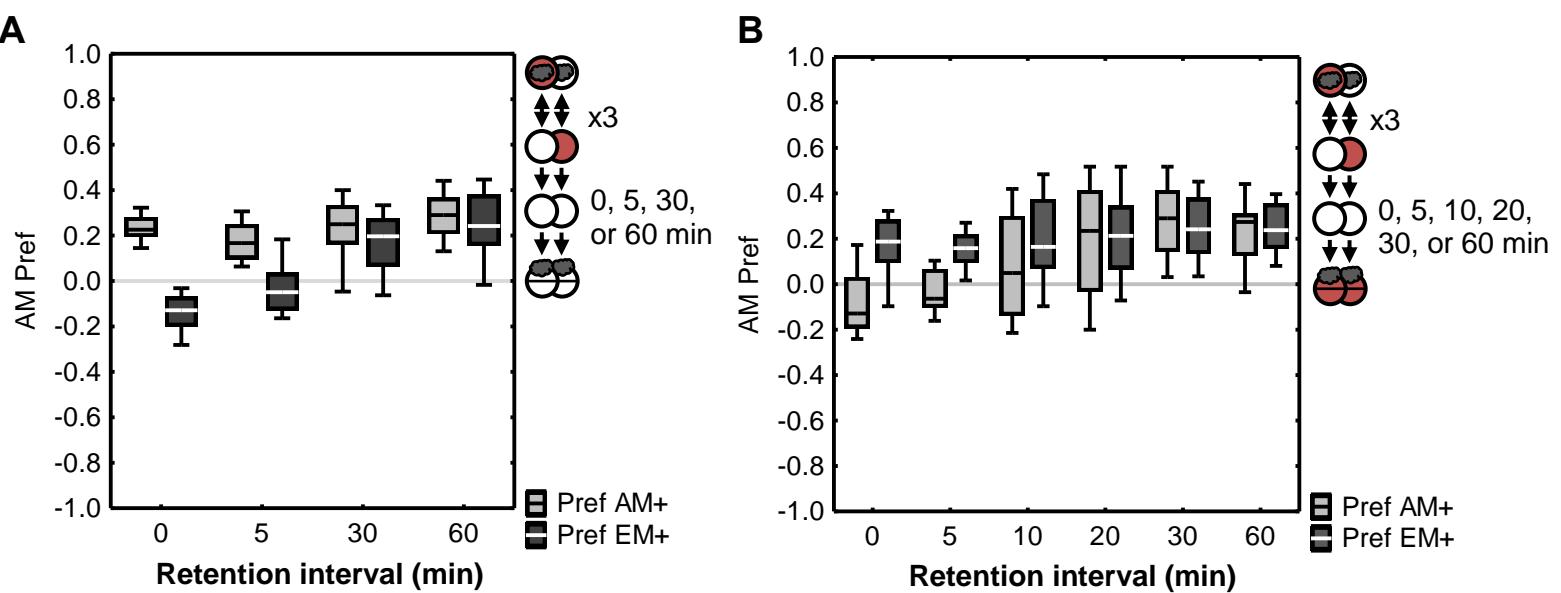


Figure S4. Preference scores related to Fig. 4.

Odour preference scores underlying the Performance Indices (PIs) from (A) Fig. 4A and (B) Fig. 4B. The light grey boxes represent preferences after paired training (Pref AM+) and the dark grey boxes represent preferences after unpaired training (Pref EM+).

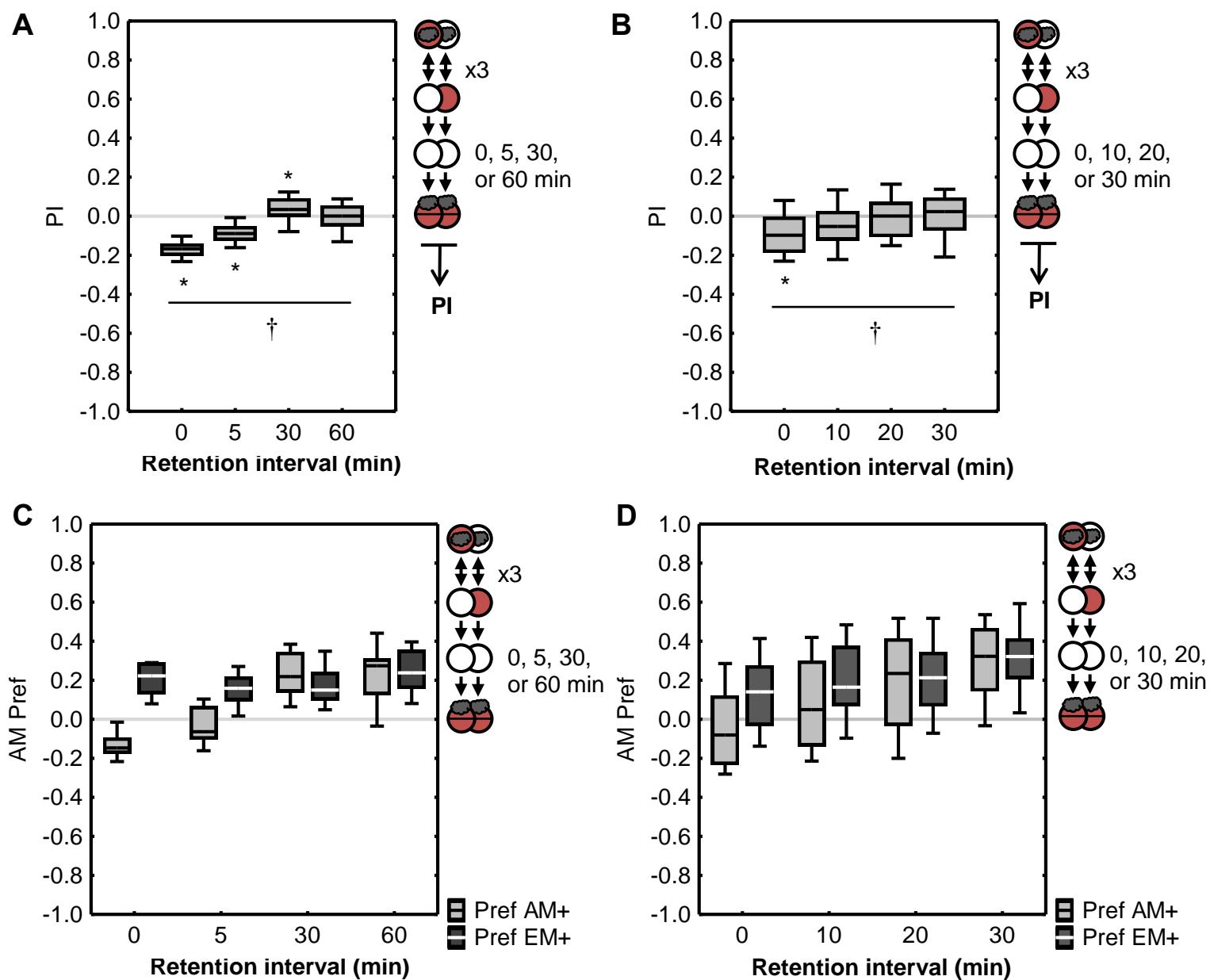


Figure S5. Documentation of the data sets combined for Fig. 4B.

(A, B) Odour-AA mixture learning experiments were performed as described in Fig. 4B, for the indicated retention intervals. Aversive memory decreased with retention interval in both data sets (A) ($\dagger: P<0.0001$, $H=62$, Kruskal–Wallis test; *: $P<0.05$, one-sample sign tests, Bonferroni–Holm corrected, exact P -values are documented in Table S1) ($N=30, 30, 30, 30$), (B) ($\dagger: P=0.0089$, $H=12$, Kruskal–Wallis test; *: $P<0.05$, one-sample sign tests, Bonferroni–Holm corrected, exact P -values are documented in Table S1) ($N=38, 38, 38, 37$).

(C, D) Odour preference scores underlying the PIs from (A) and (B), respectively. The light grey boxes represent preferences after paired training (Pref AM+) and the dark grey boxes represent preferences after unpaired training (Pref EM+).

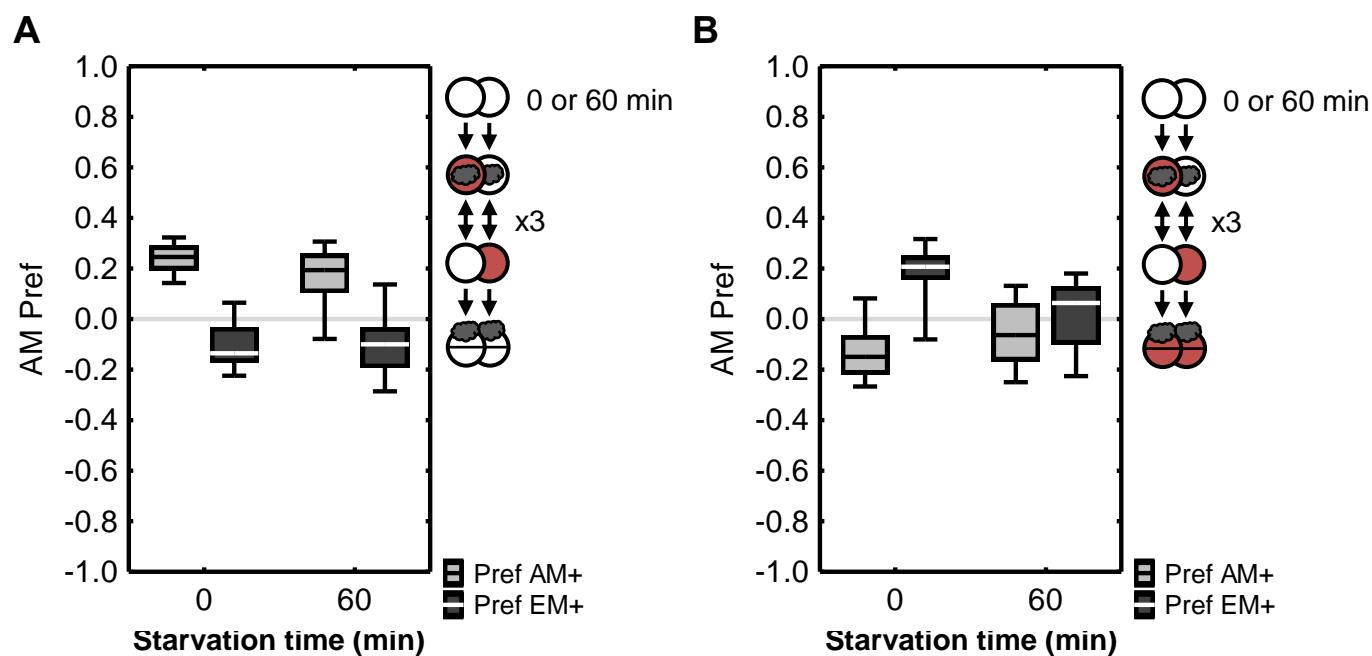


Figure S6. Preference scores related to Fig. 5.

Odour preference scores underlying the Performance Indices (PIs) from (A) Fig. 5A and (B) Fig. 5B. The light grey boxes represent preferences after paired training (Pref AM+) and the dark grey boxes represent preferences after unpaired training (Pref EM+).

Table S1

[Click here to Download Table S1](#)