Supplementary Figure S1: Proportion of correct responses in Experiment1 in Session 1 (left column) and Session 2 (right column) as a function of SOA and target/mask congruency for Type-A observers (A), Type-B observers (B), Underachievers (C), and Overachievers (D). Error bars represent within-subjects standard errors (Loftus & Masson, 1994). Note, that response bias and sensitivity are heavily confounded (for a detailed explanation see text and Albrecht & Mattler, in revision). For Type-A observers the proportion of correct responses at 24 ms SOA is below chance level for incongruent trials. This already points to an influence of response bias in these participants.
**Supplementary Figure S2:** Individual masking functions in Experiment 4 for each participant in terms of d'
Supplementary Figure S3: Response Criterion C in Experiment 4 for each participant. Blue lines/square symbols = square mask, red lines/diamond symbols = diamond mask.