**Supplementary Table S1: Comparison of different aspect of attention and visual information processing between patients with a non-affective psychotic disorder with and without VH at the present moment, and healthy controls (CASH).
The frequency of AVH and delusions are *not* added as covariates.**Diff = significant at a level of 0.05, \* = significant at a level of 0.01
A = patients with rVH vs. patients without rVH
B = patients with rVH vs. control group
C = patients without rVH vs. control group

 **Patients with a psychotic disorder
 With RVH Without RVH Control group
Variable n m (sd) n m (sd) n m (sd) Partial η2 F(df) P-value Diff**Benton Facial Recognition Test 65 22.2 (2.4) 599 22.8 (2.3) 471 23.1 (2.1) 0.00 1.28 (2) 0.28
Degraded Facial Affect Recognition 60 561 441 0.02 4.37 (8,2200) <.01
 % neutral faces 75.2 (19.8) 78.2 (17.6) 81.3 (14.9)
 % happy faces 84.8 (19.0) 86.8 (12.6) 88.0 (11.1)
 % fearful faces 50.1 (19.0) 47.0 (19.6) 54.3 (17.7) 0.01 5.29 (2) <.01 C
 % angry faces 61.1 (21.4) 61.6 (21.0) 71.5 (18.4) 0.02 11.36 (2) <.01 B C\*
 % total 67.8 (12.1) 68.4 (10.9) 73.8 (8.7) 0.01 7.92 (2) <.01 C\*
Cognitive Performance Test HQ 59 548 427 0.02 4.07 (8,2144) <.01
 Mean reaction time hits, ms 419.1 (79.6) 429.9 (87.8) 401.2 (78.0) 0.02 9.34 (2) <.01 C\*
 Number of correct positives, hits 26.1 (2.8) 26.3 (2.7) 27.6 (1.3) 0.02 9.62 (2) <.01 C\*
 Number of false positives 4.5 (15.5) 2.9 (14.2) 0.5 (1.4)
 Number of false negatives 1.9 (2.8) 1.7 (2.7) 0.4 (1.3) 0.02 9.62 (2) <.01 C\*
 Sensivity Indexa 88.9 (17.3) 91.1 (16.0) 98.0 (5.3) 0.01 6.59 (2) <.01 C\*
 Accuracy, overall 97.9 (5.3) 98.5 (4.9) 99.7 (0.8)
Response set-shifting task 59 531 424 0.01 1.80 (8,2098) .07
 Reaction time cost score (rtr-rti) 191.7 (206.4) 587 219.6 (243.6) 429 203.6 (200.4)
 Reaction time cost index score
 ((rtr-rti)/rti) 0.3 (0.4) 587 0.3 (0.4) 433 0.3 (0.3)
 Accuracy cost score (rai-rar) 0.2 (0.3) 596 0.2 (0.3) 440 0.1 (0.2)
 Accuracy cost index score
 ((rai-rar)/rar) 1.3 (4.8) 596 1.5 (5.5) 440 1.0 (5.1)
WAIS digit symbol substitution 68 61.9 (14.6) 627 65.7 (16.4) 475 85.3 (14.4) 0.07 46.99 (2) <.01 B\* C\*

a ((hits - false positive target)/28) \* 100