



Check updates

T , , “ ” ,
 , & , 2016’ & , 201’
 & , 2012), (, & ,
 2013). ,
 (V , 2016). ,
 ()
 (. ., 50 20)
 & , 2012’ , , , 2013’
 2014). , & ,
 - , (2012)
 ()
 4 (-).

... T ... (... 2 2) ... T ... (4 ...) ... T ... 300–1,200 ... 100 ... T ... T ... (...) ... 100–1,000 ...

Material and method

Participants

T ... (... , 18–23 ... , 20.4 ... 200 ... 1,100 ... T ...) ... 50 (... \$7) ... 0–20 ... T ... (“ ” ... “ ”) ... (“ ” ... “ ”) ... T ...

Design and procedure

T ... (... 100 T ...) ... 70 ... (T < 300)

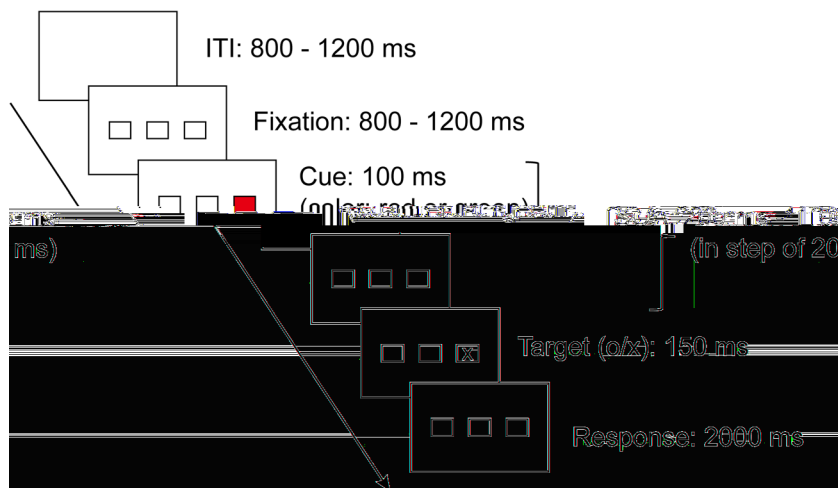


Fig. 1

... (... , 2,000) ... T ... 200–1,100 ... (...) ... (...) ... (T ...) ... (...) ... T ...



T 5% (1,000) G
 T 1,000
 (1.74)

$$= \sqrt{\frac{-1}{\sum_{i=1}^n (-)^2}}$$

Phase coherence analysis

T
 (2-3)
 (T)
 (T ,)
 (T , 200)
 (T , T 2-3)
 T
 (T , G 4),
 1 25 1 T
 T
 T G

... T V ...
 ... V ...
 ... V (V) ...
 ... V ...
 ... () & , 1 5).

Results

T () 7.27 (0.3).
 ... 1.33 0.36' - , 1.47 0.40' - , 2.26 0.3' - , 2.15 0.35)
 ... T ...
 ... T .

Reward modulation on RT time courses at low-frequency (0–2 Hz)

T 2 2 46 V - , 0–2 -
 T (- T
 , -0.034' , 0.003), $F(1, 21) = 10.3$,
 .003, $\eta^2 = 0.34$, $F(45, 45) = 6.3$, <
 .001, $\eta^2 = 0.250$, (- -
 T , 0.003' , -0.03), $F(1, 21) = 4.25$,
 .052, $\eta^2 = 0.163$.
 , $F(1, 21) = 6.10$, .022, $\eta^2 = 0.225$,
 , $F(45, 45) = 1.57$,
 .010, $\eta^2 = 0.070$,
 , $F(45, 45) = 11.34$, < 0.001, $\eta^2 = 0.351$,
 . T -
 , $F(45, 45) < 1$. T
 (10)
 (0–2)
 (. 2). (0–2) (200–230) (430–1,030) . T ,
 , - V T
 , -
) 200 230 (, <
 .05, - - , 5 , - $\eta^2 = 0.2$.
 < .001), (. ,)
)
 430 1,030 (, < .05, (1, 21) = -1.46, .166, T
 - - , 31 , - < (0.104) - (0.053), (1, 21) = 2.50,
 .001). T
 ,
 (, 200' T & , 2005).

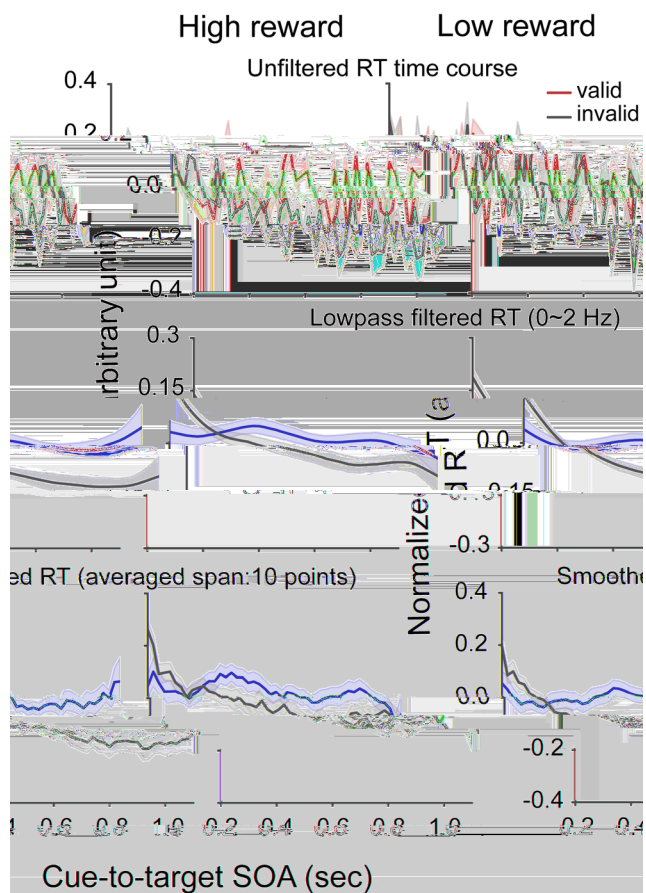


Fig. 2
 T ((22).
 , - (,) - (T ,
 , - , 0–2 - T
 (,) ,
 T (10) - () ,
 T T
 , T
 , -
) 200 230 (, <
 .05, - - , 5 , - $\eta^2 = 0.2$.
 < .001), (. ,)
)
 430 1,030 (, < .05, (1, 21) = -1.46, .166, T
 - - , 31 , - < (0.104) - (0.053), (1, 21) = 2.50,
 .001). T
 ,
 (, 200' T & , 2005).

Table 1

	V		V		V		V	
(200–230)	3	1	63	404	77	3	7	6
(430–1,030)	3	4	73	331	73	3	7	77

(-0.106)
 (-0.045), (1, 21) -4.31 , $< .001$,
 (T, -0.003, 0.013), (1, 21) -0.3 , $.333$. T
 (.,) T (T 1).

Periodic alpha power inhibition in the cue-valid condition relative to the cue-invalid condition

(0–2) (.3)
 (.) T
 (.)
 (.3)
 T
 4). (3–12)
 / -
 (2–3) .4, T , $< .05$
 (2–3)
 (.4,
 , 22, .071),

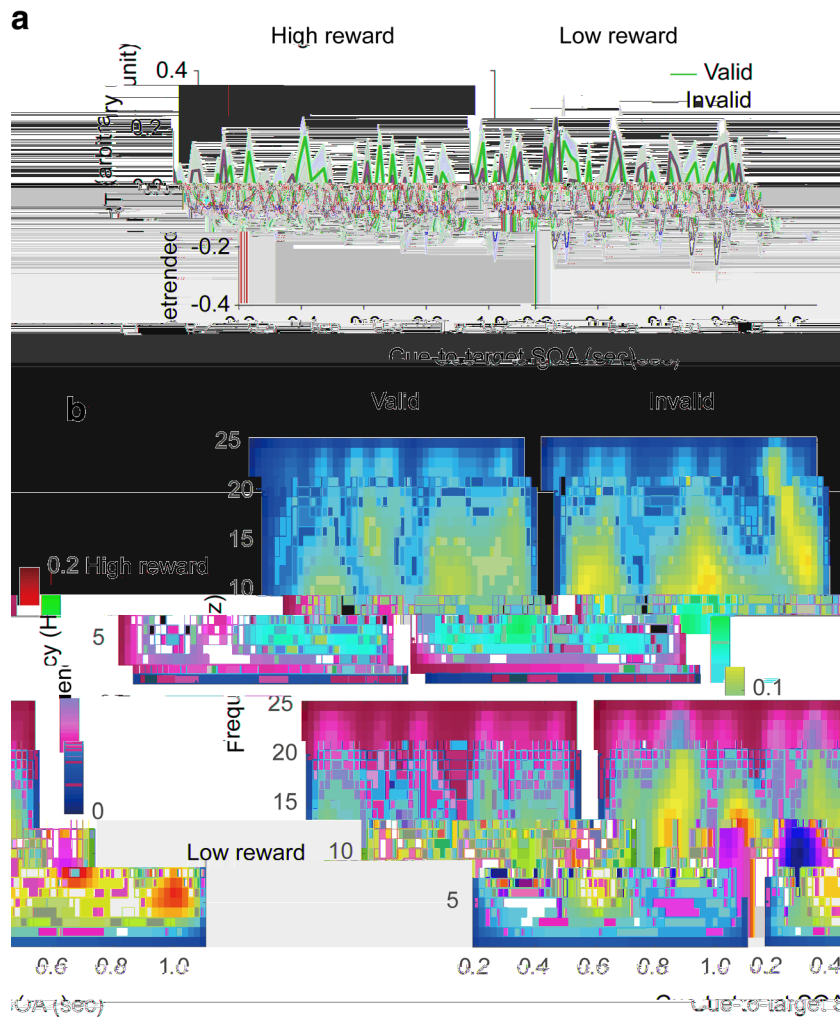


Fig. 3 T (22)
 T (200–1,100) (1–25)
 T () ()
 T () ()

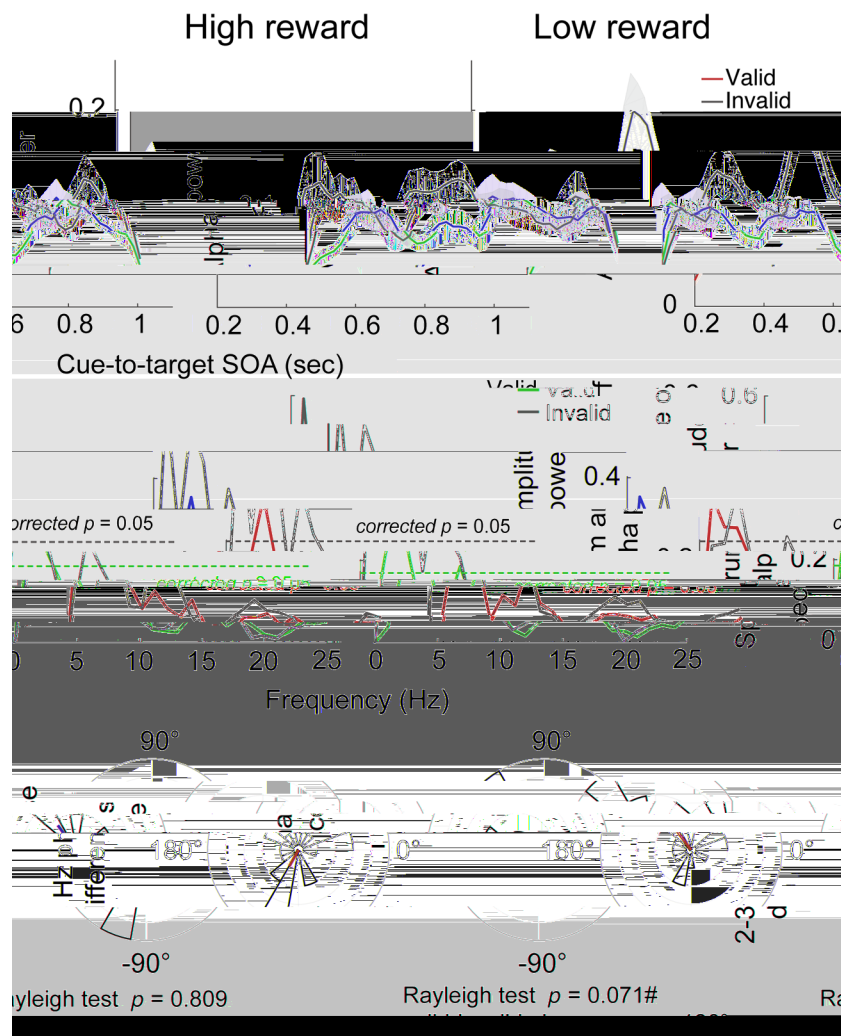


Fig. 4 Neural activity and behavioral data for High and Low reward conditions. The figure is divided into two main columns: 'High reward' and 'Low reward'. At the top, there are two bar charts showing 'Valid' (red) and 'Invalid' (black) trials. Below these are two sets of line graphs showing neural activity (amplitude) over 'Cue-to-target SOA (sec)'. The x-axis for these graphs ranges from 0 to 1.0 seconds. The y-axis represents amplitude, with a scale from 0 to 0.2. Below the line graphs are two sets of histograms showing 'Frequency (Hz)' for 'Valid' and 'Invalid' trials. The x-axis for these histograms ranges from 0 to 25 Hz. The y-axis represents amplitude, with a scale from 0 to 0.4. At the bottom, there are two circular plots showing 'Rayleigh test' results. The left plot has a p-value of 0.809 and the right plot has a p-value of 0.071#. The circular plots show the distribution of phase angles (0°, 90°, 180°, -90°) for 'Valid' and 'Invalid' trials.

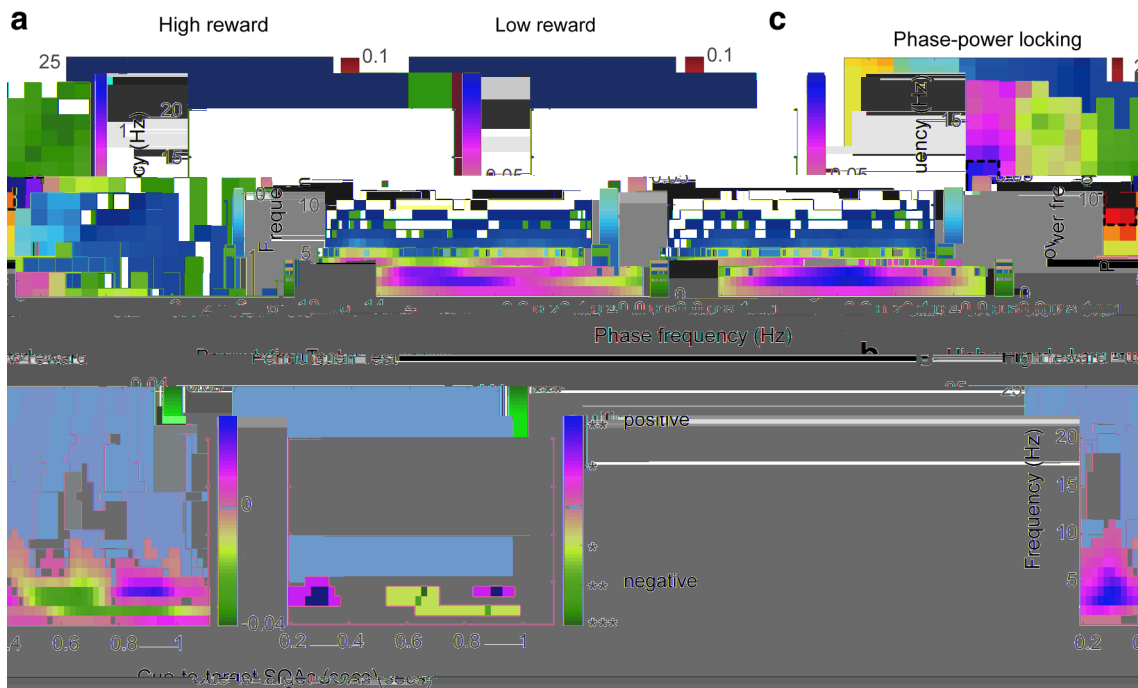


Fig. 8 a G (22) - - - - - . * < .001 (- - - - -). ** < .001 (- - - - -). *** < .001 (- - - - -). c (8–12) - - - - - (1–3) - - - - - . G (22) - - - - - . < .05. (- - - - -)

2018, V, & 2015, (2018), (2–3) T (120) (8–12) (1–3) T (2018) & (2015, 200), (2018) (2018) (200–400-). (2014)

2011, 2008, 2017).
2011, 2017).
2017).

(2015, 2011, 2016, 2014, 2015, 2014).

2017, V, & (2014).

(2015),
(2017). T
(2013).
(& 2014).

2013, 201). T

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Supplementary Information T
// . /10.3758/13414-020-02226-5.

Acknowledgement
T
(G . 31361133012).

Open practices statement T
// . /4 3 /.

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