**Linear Mixed-effect Model results**

**> summary(pseudopRT2)**

Linear mixed model fit by REML. t-tests use Satterthwaite's method

[lmerModLmerTest]

Formula: probeRT ~ RC + CE + RC \* CE + (1 + RC + CE | Subject)

Data: probeRTpseudo

REML criterion at convergence: 48492.2

Scaled residuals:

Min 1Q Median 3Q Max

-2.2601 -0.7302 -0.1366 0.5726 4.3564

Random effects:

Groups Name Variance Std.Dev. Corr

Subject (Intercept) 39207.7 198.01

RC1 1150.9 33.93 -0.82

CE1 719.2 26.82 0.13 -0.08

Residual 294510.3 542.69

Number of obs: 3140, groups: Subject, 20

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) 1683.453 45.324 18.998 37.143 < 2e-16 \*\*\*

RC1 -70.462 12.304 18.764 -5.727 1.69e-05 \*\*\*

CE1 74.864 11.393 18.655 6.571 2.99e-06 \*\*\*

RC1:CE1 12.290 9.686 3080.084 1.269 0.205

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Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Correlation of Fixed Effects:

(Intr) RC1 CE1

RC1 -0.494

CE1 0.066 -0.024

RC1:CE1 0.000 0.003 -0.007

**2X2 RM ANOVA results**

**> summary(aovRTpseudo)**

Error: Subject

Df Sum Sq Mean Sq

RC 1 35726808 35726808

Error: Subject:RC

Df Sum Sq Mean Sq

RC 1 15968882 15968882

Error: Subject:CE

Df Sum Sq Mean Sq

RC 1 14947075 14947075

Error: Subject:RC:CE

Df Sum Sq Mean Sq

RC 1 656686 656686

Error: Within

Df Sum Sq Mean Sq F value Pr(>F)

RC 1 8.500e+05 849985 2.642 0.10414

CE 1 3.059e+06 3058702 9.509 0.00206 \*\*

RC:CE 1 7.782e+03 7782 0.024 0.87641

Residuals 3132 1.007e+09 321667

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Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1