**Linear Mixed-effect Model results**

**> summary(acc)**

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

[lmerModLmerTest]

Formula:

probeACC ~ RC + CE + RC \* CE + (1 + RC + CE + RC \* CE | Subject)

Data: questiondata

REML criterion at convergence: 1414.8

Scaled residuals:

Min 1Q Median 3Q Max

-3.5161 0.1651 0.2486 0.3457 1.1267

Random effects:

Groups Name Variance Std.Dev. Corr

Subject (Intercept) 3.067e-03 0.05538

RC1 3.199e-04 0.01789 -0.88

CE1 2.201e-04 0.01484 0.30 -0.24

RC1:CE1 2.809e-05 0.00530 -0.42 0.08 -0.80

Residual 7.687e-02 0.27726

Number of obs: 4800, groups: Subject, 30

Fixed effects:

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

(Intercept) 0.911875 0.010874 29.002738 83.860 <2e-16 \*\*\*

RC1 -0.001042 0.005165 30.230076 -0.202 0.842

CE1 0.002292 0.004832 29.595225 0.474 0.639

RC1:CE1 -0.005625 0.004117 110.588416 -1.366 0.175

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

Correlation of Fixed Effects:

(Intr) RC1 CE1

RC1 -0.516

CE1 0.155 -0.084

RC1:CE1 -0.092 0.012 -0.105

**2X2 RM ANOVA results**

**> summary(aovacc)**

Error: Subject

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

Residuals 1 0.1186 0.1186

Error: Subject:RC

Df Sum Sq Mean Sq

RC 1 0.004664 0.004664

Error: Subject:CE

Df Sum Sq Mean Sq

CE 1 0.07463 0.07463

Error: Subject:RC:CE

Df Sum Sq Mean Sq

RC:CE 1 0.07552 0.07552

Error: Within

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

RC 1 0.0 0.00066 0.008 0.928

CE 1 0.0 0.02675 0.333 0.564

RC:CE 1 0.1 0.09438 1.174 0.279

Residuals 4792 385.3 0.08041