

Appendix

Complete statistical results from figures 2-4-5-EV3.

Table of Contents:

Appendix Table S1. Statistical results for fig 2.....	p2
Appendix Table S2. Statistical results for fig 4.....	p3
Appendix Table S3. Statistical results for fig 5.....	p4
Appendix Table S4. Statistical results for fig EV3.....	p5

Appendix Table S1. Statistical results for fig 2.

Figure 2			
Tukey's multiple comparisons test	Significant?	Summary	Adjusted P Value
TREM2 vs. R47H	Yes	#	0.0354
TREM2 vs. R62H	Yes	#	0.0481
R47H vs. R62H	No	ns	0.6233

Appendix Table S2. Statistical results for fig 4.

Figure 4A			
Bonferroni's multiple comparisons test	Significant?	Summary	Adjusted P Value
0			
mock vs. Fc	No	ns	>0.9999
sTREM2-Fc vs. Fc	No	ns	>0.9999
sTREM2 R47H-Fc vs. Fc	No	ns	>0.9999
sTREM2 R62H-Fc vs. Fc	No	ns	>0.9999
sTrem2-Fc vs. Fc	No	ns	>0.9999
100			
mock vs. Fc	No	ns	>0.9999
sTREM2-Fc vs. Fc	No	ns	>0.9999
sTREM2 R47H-Fc vs. Fc	No	ns	>0.9999
sTREM2 R62H-Fc vs. Fc	No	ns	>0.9999
sTrem2-Fc vs. Fc	No	ns	>0.9999
1000			
mock vs. Fc	No	ns	>0.9999
sTREM2-Fc vs. Fc	Yes	**	0.0056
sTREM2 R47H-Fc vs. Fc	Yes	*	0.0168
sTREM2 R62H-Fc vs. Fc	Yes	**	0.0019
sTrem2-Fc vs. Fc	Yes	***	0.0003
10000			
mock vs. Fc	No	ns	>0.9999
sTREM2-Fc vs. Fc	Yes	****	<0.0001
sTREM2 R47H-Fc vs. Fc	Yes	****	<0.0001
sTREM2 R62H-Fc vs. Fc	Yes	****	<0.0001
sTrem2-Fc vs. Fc	Yes	****	<0.0001
Figure 4B			
Bonferroni's multiple comparisons test	Significant?	Summary	Adjusted P Value
mock vs. Fc	No	ns	>0.9999
sTREM2-Fc vs. Fc	Yes	****	<0.0001
sTREM1-Fc vs. Fc	No	ns	>0.9999
sTREML1-Fc vs. Fc	Yes	*	0.0337

Appendix Table S3. Statistical results for fig 5.

Figure 5A: compared to TREM2			
Bonferroni's multiple comparisons test	Significant?	Summary	Adjusted P Value
0			
TREM2 vs. mock	No	ns	>0.9999
TREM2 vs. TREM2 R47H	No	ns	>0.9999
0.01			
TREM2 vs. mock	No	ns	>0.9999
TREM2 vs. TREM2 R47H	No	ns	>0.9999
0.032			
TREM2 vs. mock	No	ns	>0.9999
TREM2 vs. TREM2 R47H	No	ns	>0.9999
0.1			
TREM2 vs. mock	No	ns	>0.9999
TREM2 vs. TREM2 R47H	No	ns	>0.9999
0.32			
TREM2 vs. mock	No	ns	0.3875
TREM2 vs. TREM2 R47H	No	ns	0.8168
1			
TREM2 vs. mock	Yes	*	0.0435
TREM2 vs. TREM2 R47H	No	ns	>0.9999
3.16			
TREM2 vs. mock	Yes	****	<0.0001
TREM2 vs. TREM2 R47H	Yes	#	0.0319
10			
TREM2 vs. mock	Yes	****	<0.0001
TREM2 vs. TREM2 R47H	Yes	####	<0.0001
Figure 5A: compared to mock			
Bonferroni's multiple comparisons test	Significant?	Summary	Adjusted P Value
0			
mock vs. TREM2	No	ns	>0.9999
mock vs. TREM2 R47H	No	ns	>0.9999
0.01			
mock vs. TREM2	No	ns	>0.9999
mock vs. TREM2 R47H	No	ns	>0.9999
0.032			
mock vs. TREM2	No	ns	>0.9999
mock vs. TREM2 R47H	No	ns	>0.9999
0.1			
mock vs. TREM2	No	ns	>0.9999
mock vs. TREM2 R47H	No	ns	>0.9999
0.32			

mock vs. TREM2	No	ns	0.3875
mock vs. TREM2 R47H	No	ns	>0.9999
1			
mock vs. TREM2	Yes	*	0.0435
mock vs. TREM2 R47H	No	ns	>0.9999
3.16			
mock vs. TREM2	Yes	****	<0.0001
mock vs. TREM2 R47H	No	ns	0.0767
10			
mock vs. TREM2	Yes	****	<0.0001
mock vs. TREM2 R47H	Yes	****	<0.0001
Figure 5B: compared to TREM2			
Dunnett's multiple comparisons test	Significant?	Summary	Adjusted P Value
CTL vs. TREM2	Yes	****	<0.0001
TREM2 R47H vs. TREM2	Yes	*	0.0124
TREM2 R62H vs. TREM2	Yes	**	0.0048
TREM2 T96K vs. TREM2	No	ns	0.2604
Figure 5B: compared to TREM2 T96K			
Dunnett's multiple comparisons test	Significant?	Summary	Adjusted P Value
CTL vs. TREM2 T96K	Yes	####	<0.0001
TREM2 vs. TREM2 T96K	No	ns	0.2604
TREM2 R47H vs. TREM2 T96K	Yes	##	0.0012
TREM2 R62H vs. TREM2 T96K	Yes	###	0.0006
Figure 5C: compared to mock			
Tukey's multiple comparisons test	Significant?	Summary	Adjusted P Value
mock vs. TREM2	Yes	****	<0.0001
mock vs. TREM2 R47H	Yes	****	<0.0001
mock vs. TREM2 R62H	Yes	***	0.0002
TREM2 vs. TREM2 R47H	Yes	#	0.0212
TREM2 vs. TREM2 R62H	Yes	##	0.0026
TREM2 R47H vs. TREM2 R62H	No	ns	0.8189

Appendix Table S4. Statistical results for fig EV3.

Figure EV3B			
Bonferroni's multiple comparisons test	Significant?	Summary	Adjusted P Value
control			
Fc vs. control	No	ns	>0.9999
Fc vs. sTREM2-Fc	No	ns	>0.9999
Fc vs. sTREM2 R47H-Fc	No	ns	>0.9999
Fc vs. sTREM2 R62H-Fc	No	ns	>0.9999
Fc vs. sTrem2-Fc	No	ns	>0.9999
Ab42 fibrils			
Fc vs. control	No	ns	>0.9999
Fc vs. sTREM2-Fc	No	ns	>0.9999
Fc vs. sTREM2 R47H-Fc	No	ns	>0.9999
Fc vs. sTREM2 R62H-Fc	No	ns	>0.9999
Fc vs. sTrem2-Fc	No	ns	>0.9999
Ab42 monomers			
Fc vs. control	No	ns	>0.9999
Fc vs. sTREM2-Fc	No	ns	0.8033
Fc vs. sTREM2 R47H-Fc	No	ns	>0.9999
Fc vs. sTREM2 R62H-Fc	No	ns	0.957
Fc vs. sTrem2-Fc	No	ns	>0.9999
Ab42 oligomers			
Fc vs. control	No	ns	>0.9999
Fc vs. sTREM2-Fc	Yes	****	<0.0001
Fc vs. sTREM2 R47H-Fc	Yes	****	<0.0001
Fc vs. sTREM2 R62H-Fc	Yes	****	<0.0001
Fc vs. sTrem2-Fc	Yes	**	0.0014