

Supplementary Figures: Thermodynamic Framework to Assess Low Abundance DNA Mutation Detection by Hybridization

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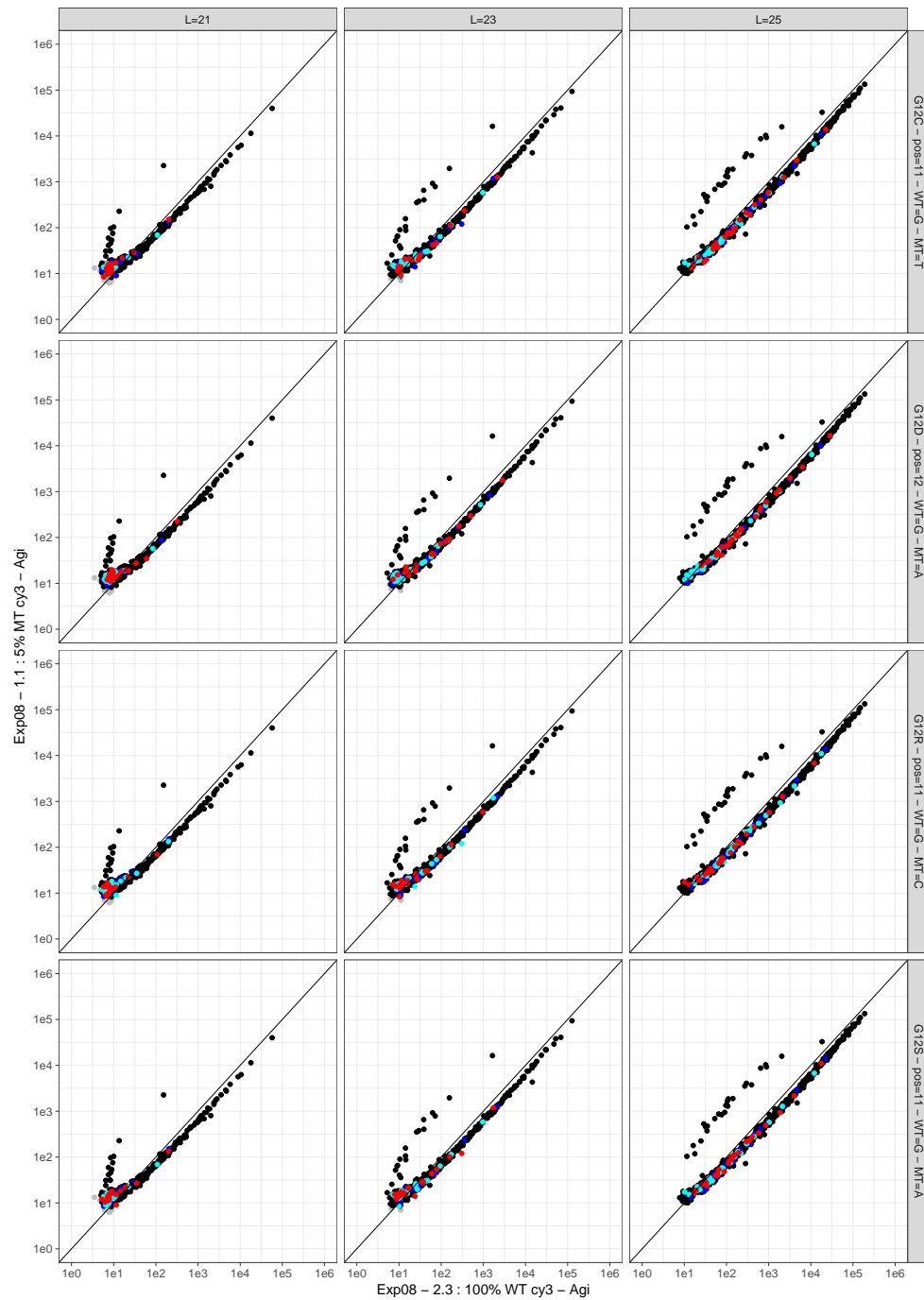
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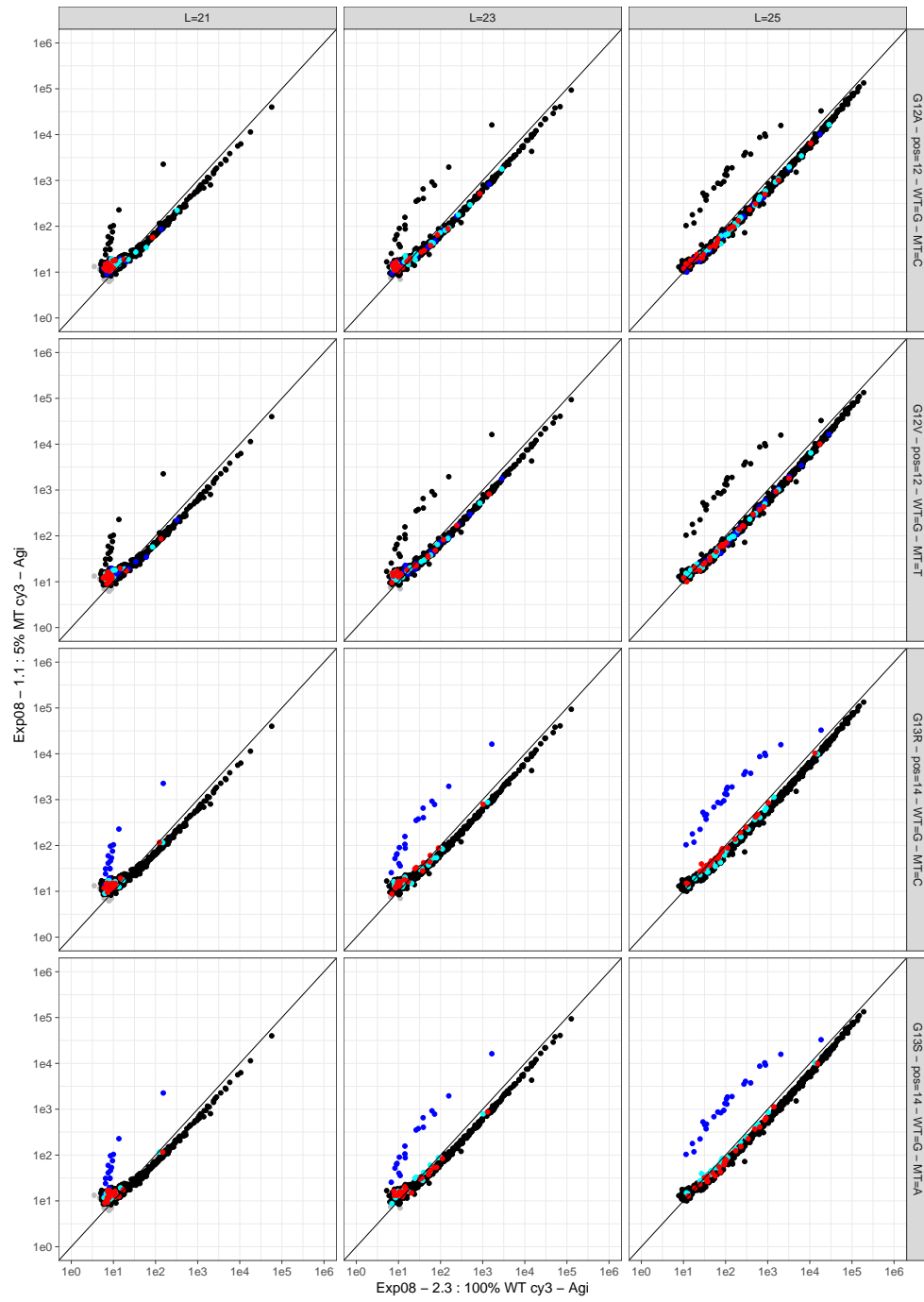
Raw agilent data files can be found online at https://figshare.com/articles/Experiments_zip/4785643

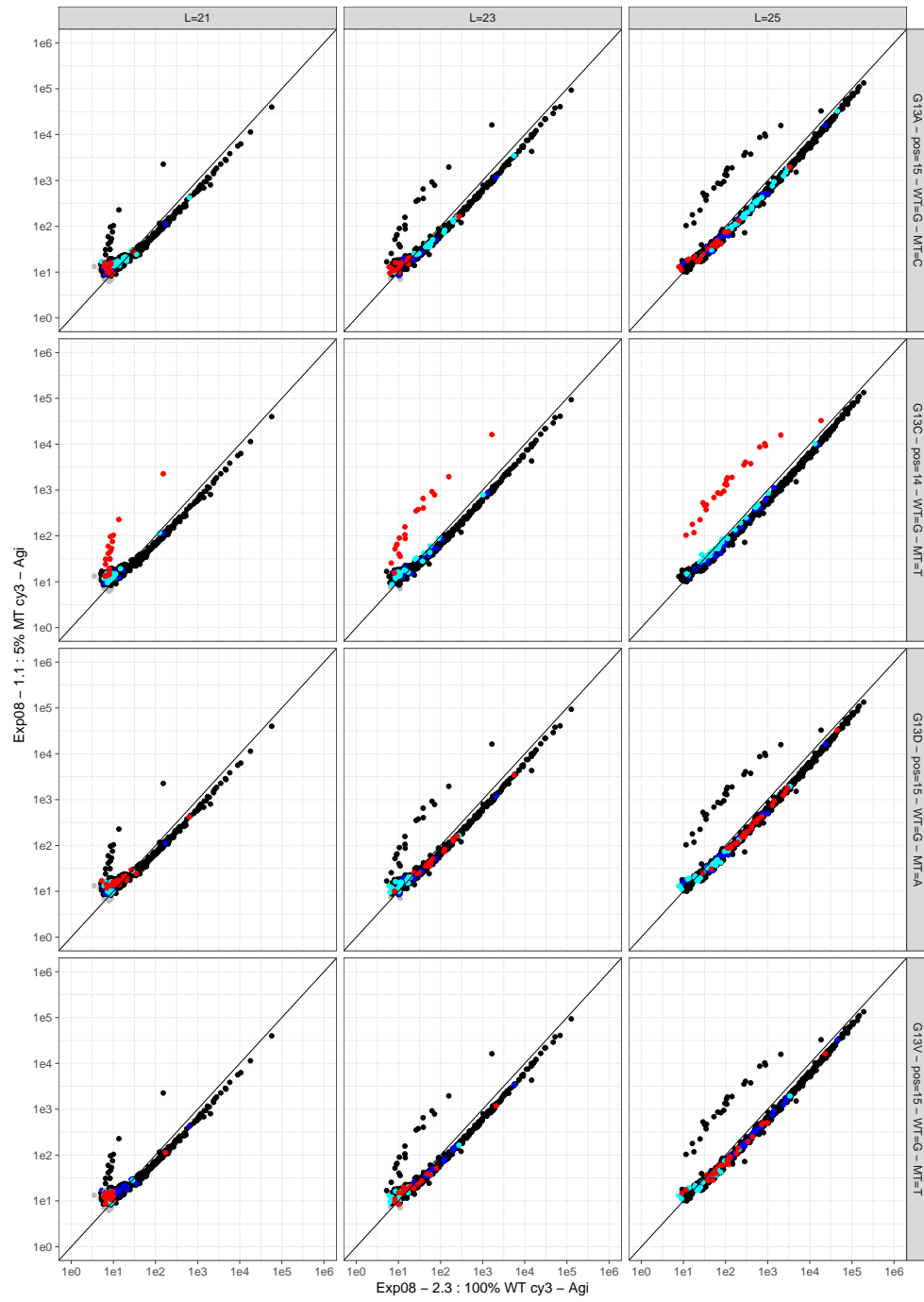
Figures for the concentration rang experiments (experiment set 1) are shown in the main text of the article. The other results can be found below and are visualized using the three different probe lengths (L=21, 23 and 25).

Experiment set 2: 12 gBlocks samples with each mutant present at 5%.

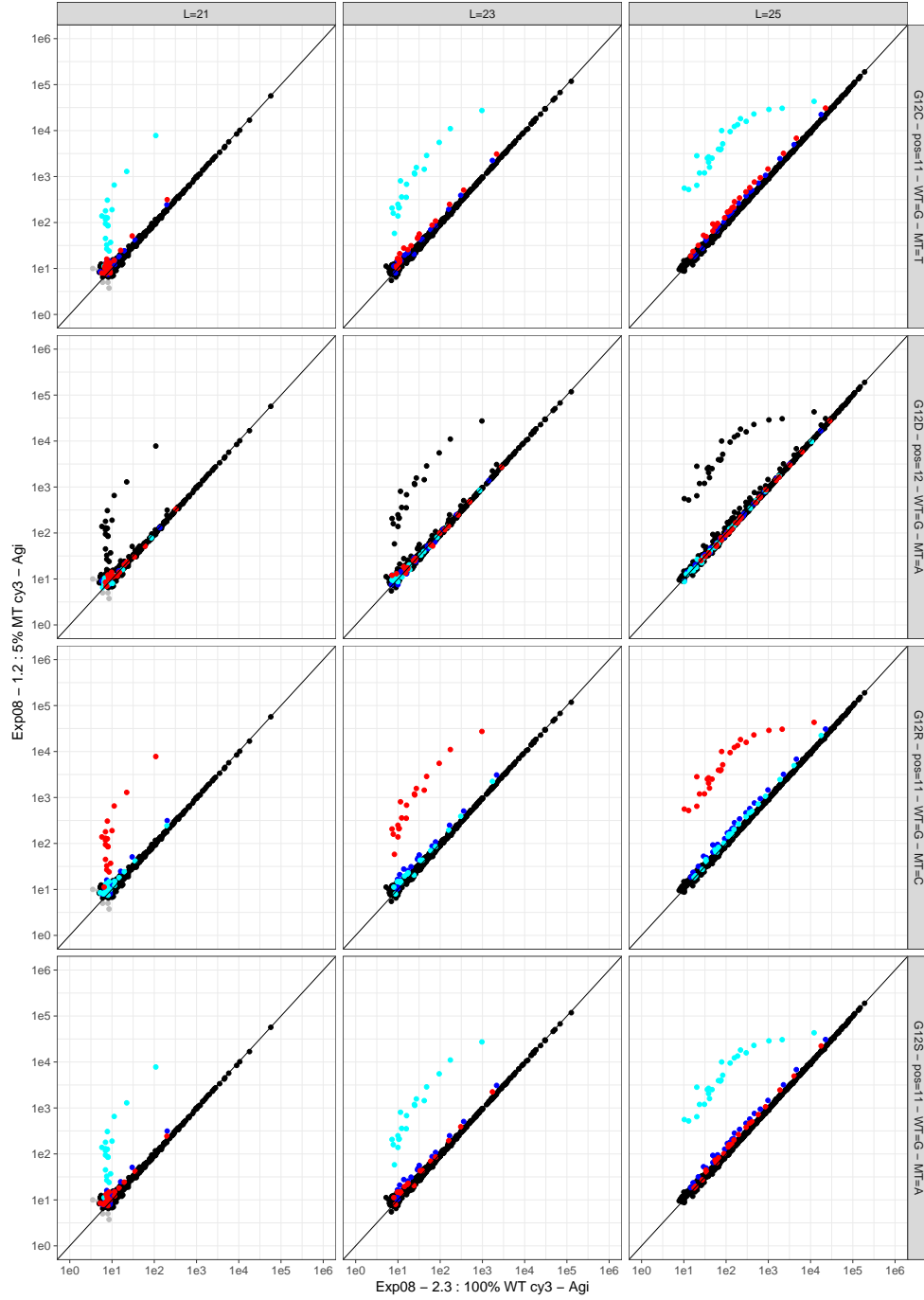
Experiment 7, G13C

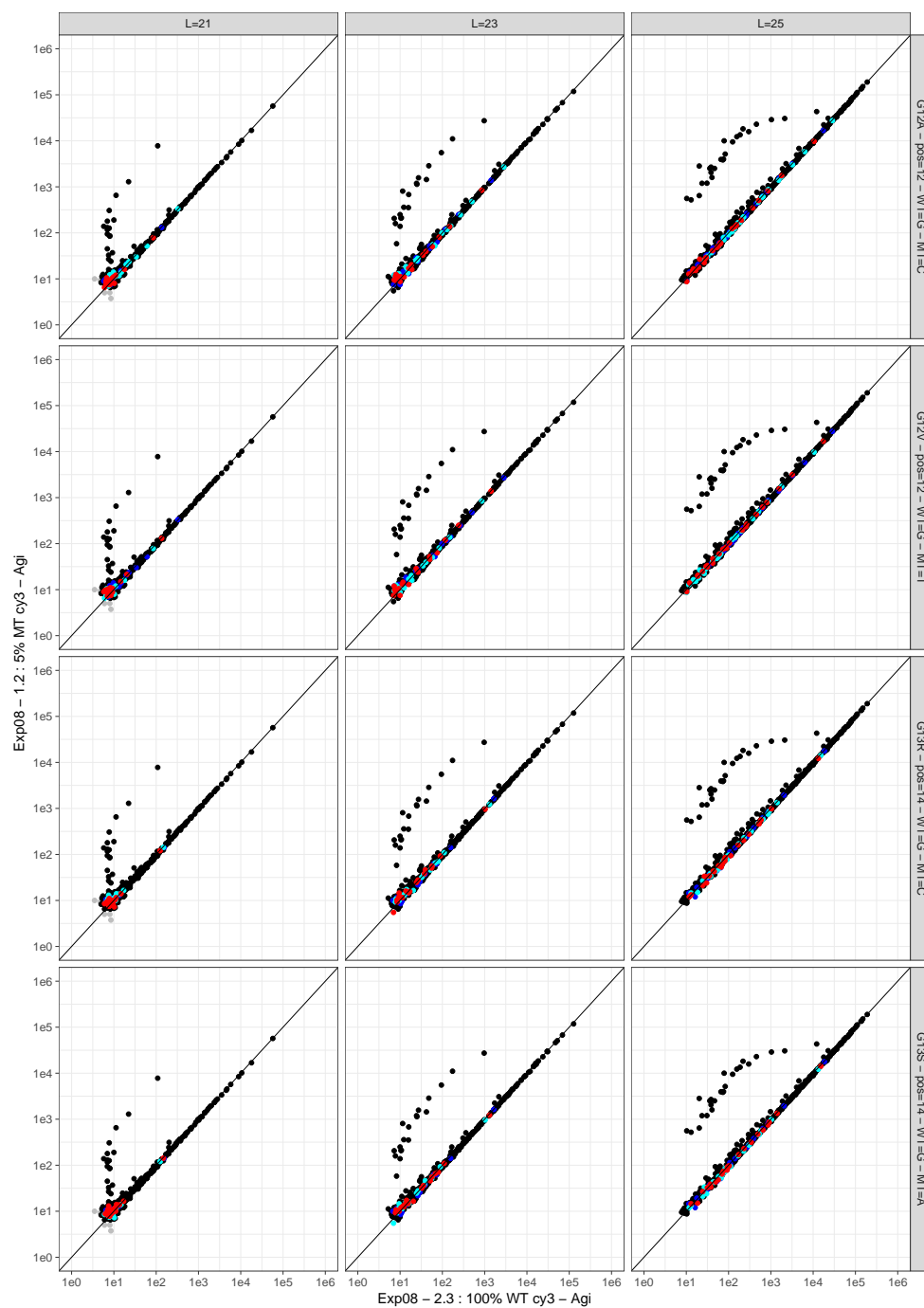


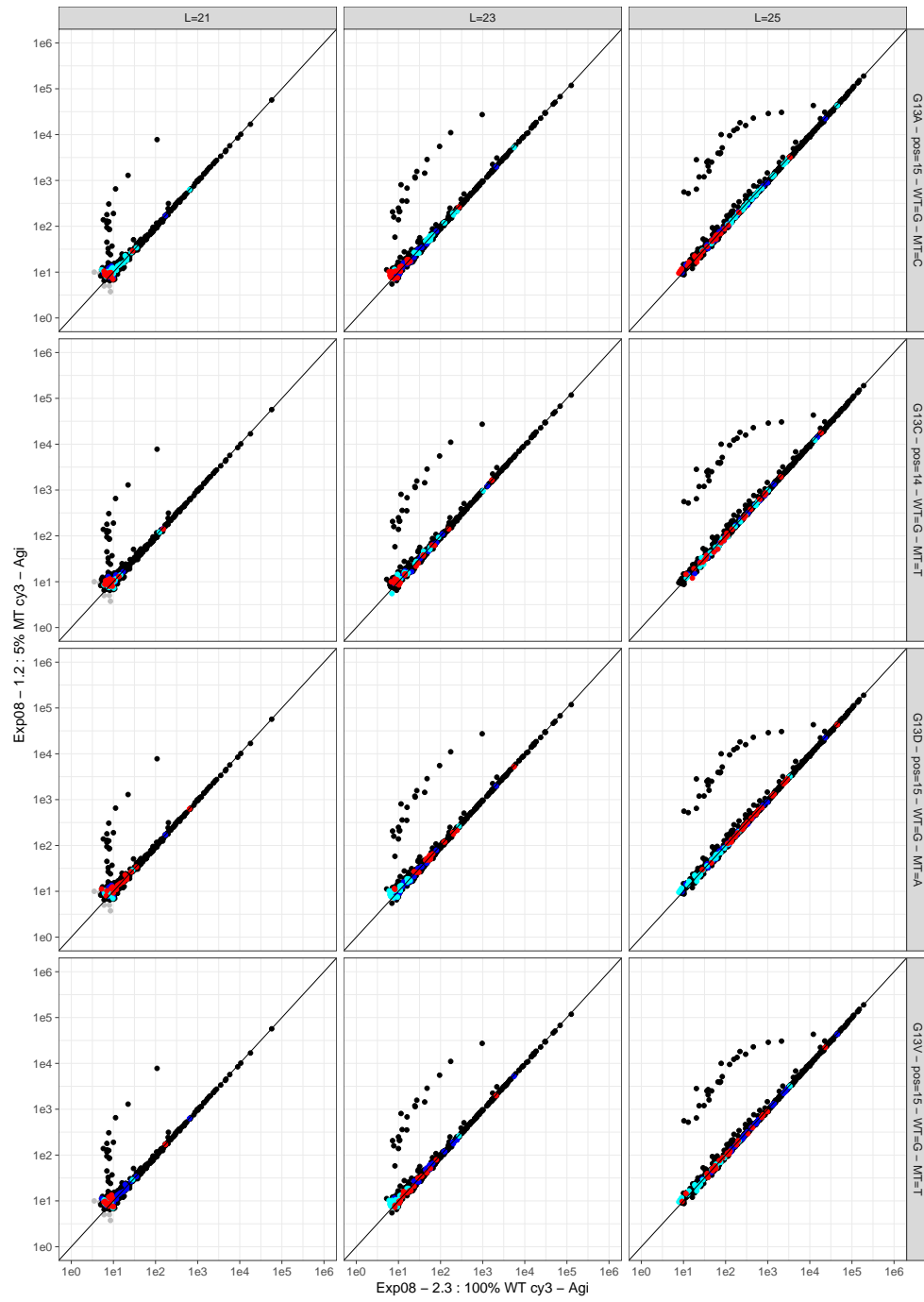




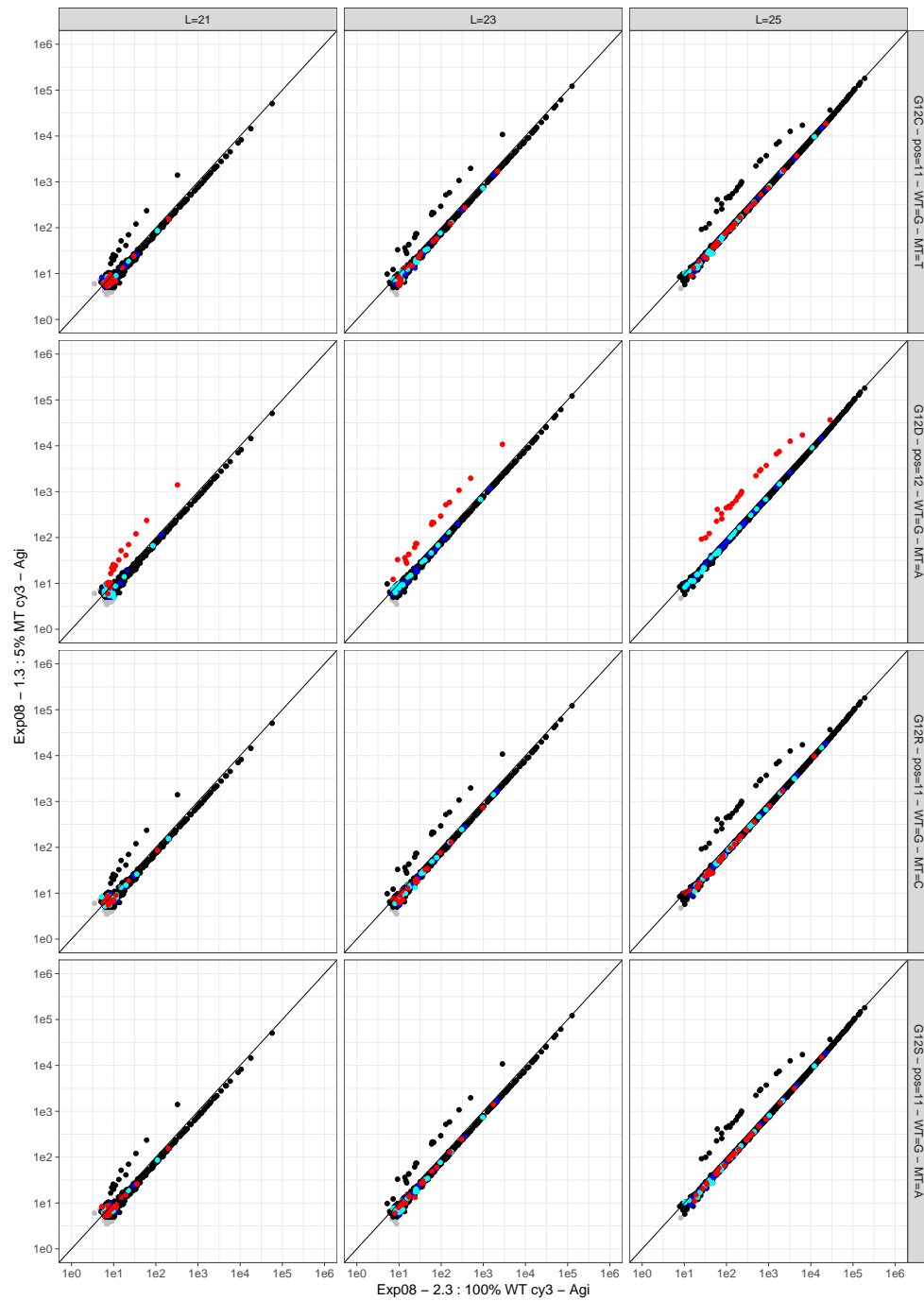
Experiment 8, G12R

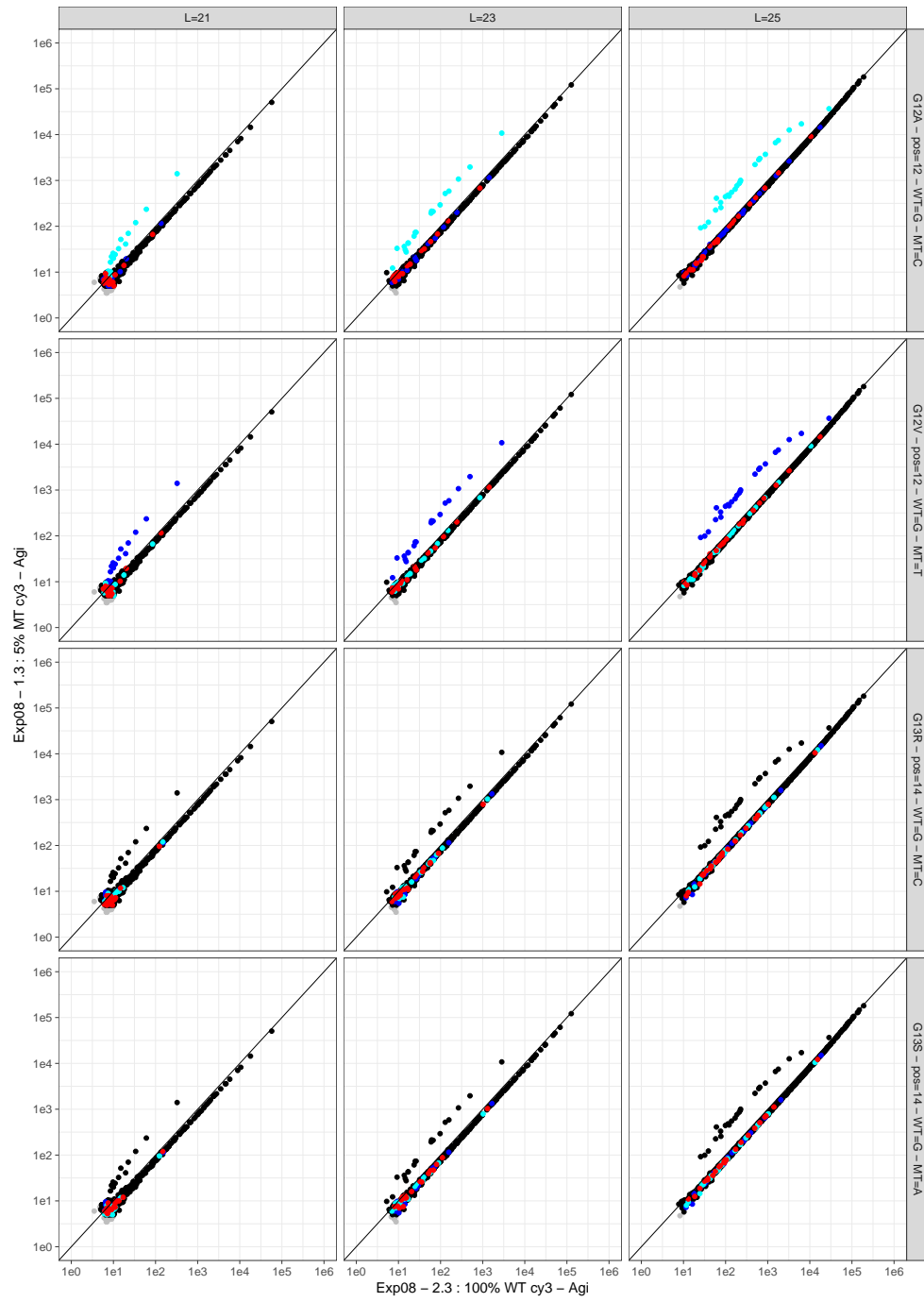


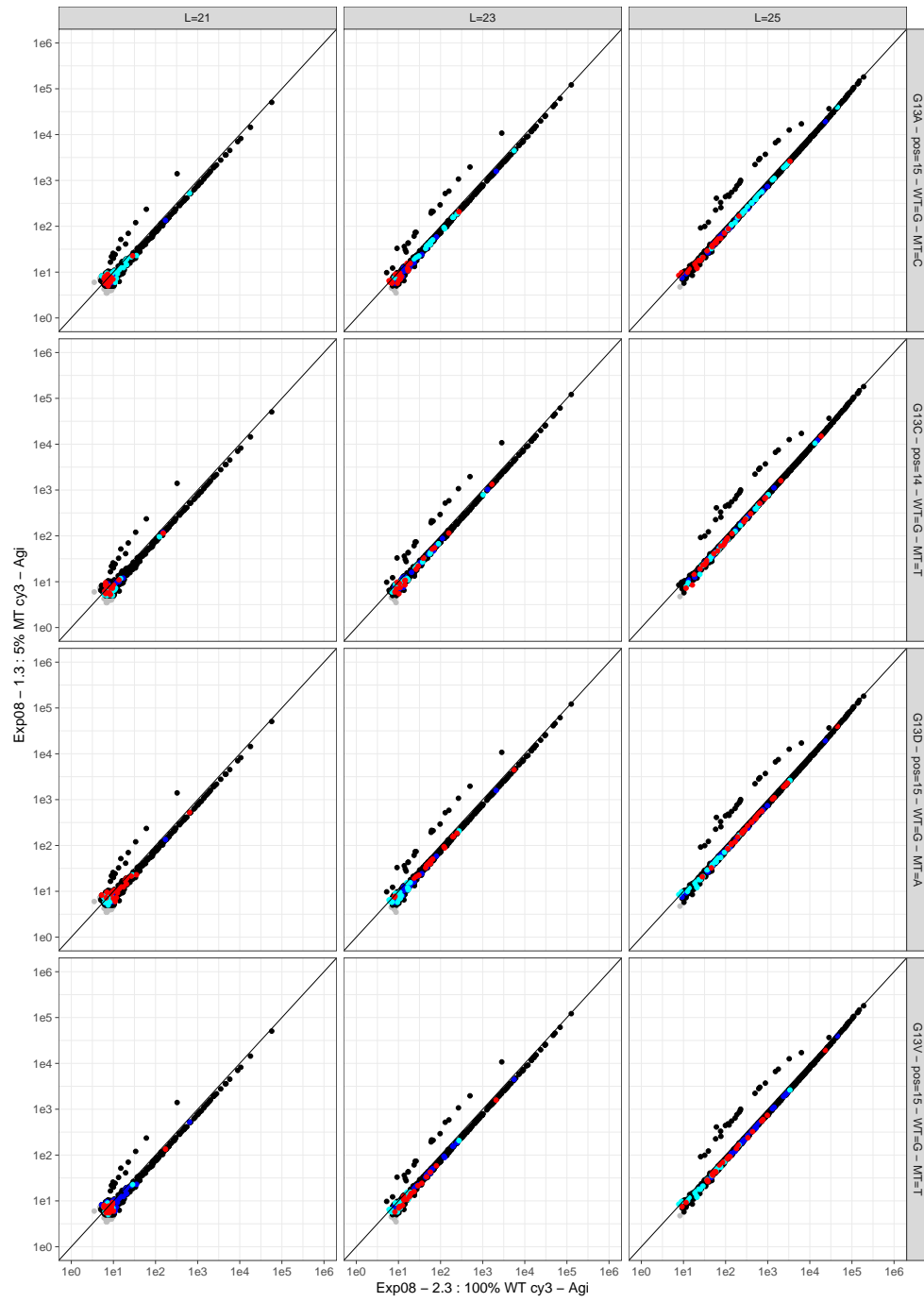




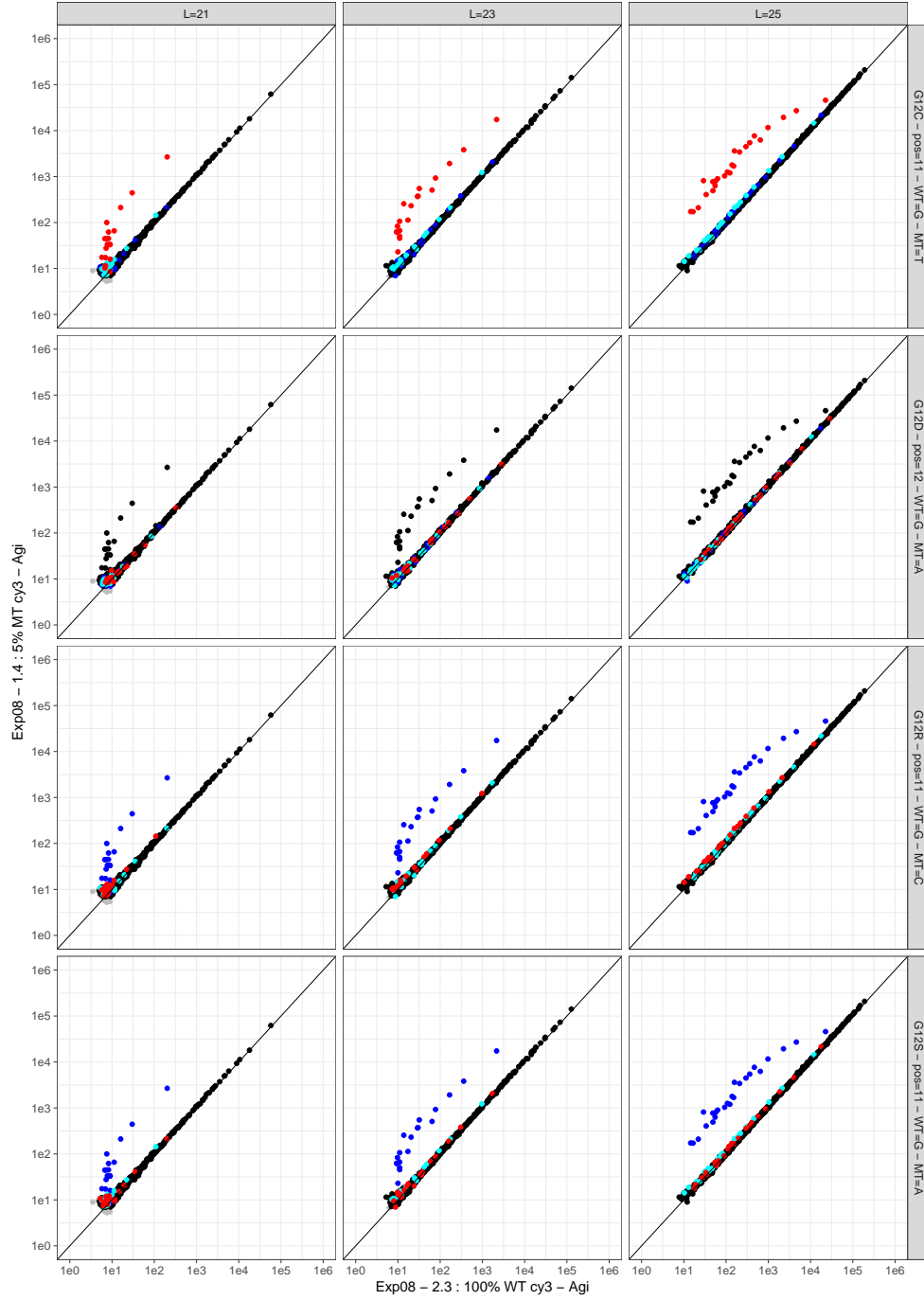
Experiment 9, G12D

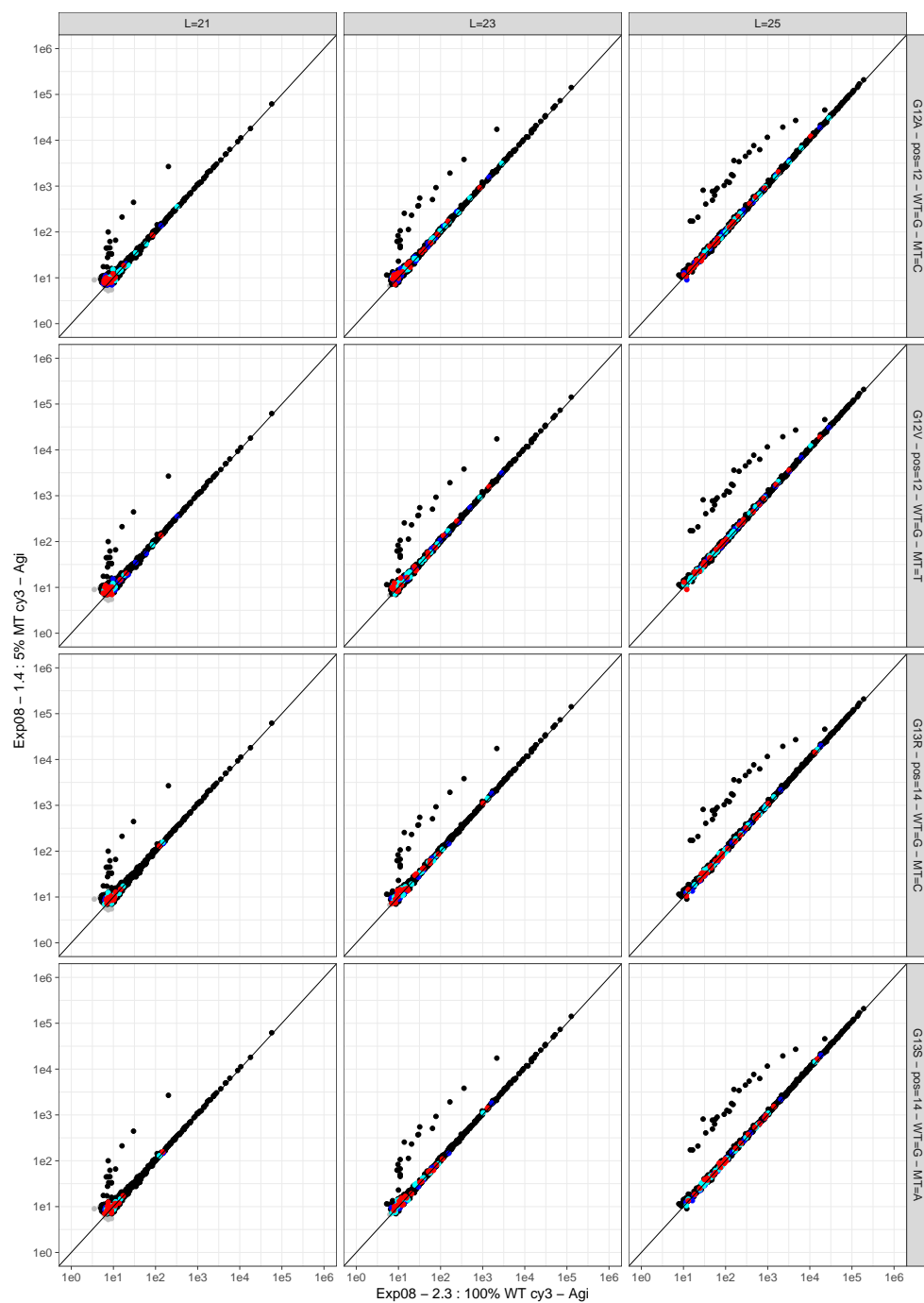


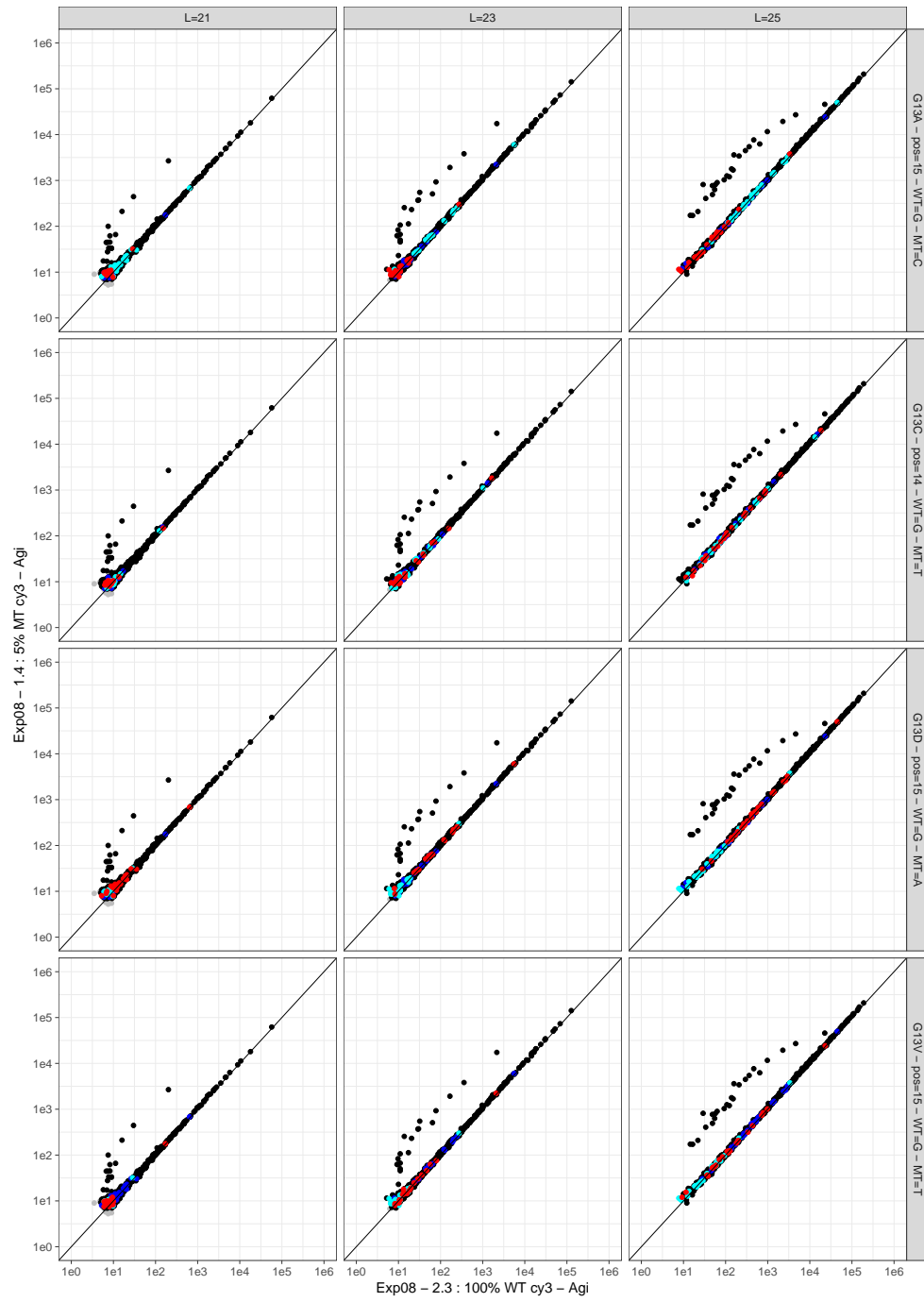




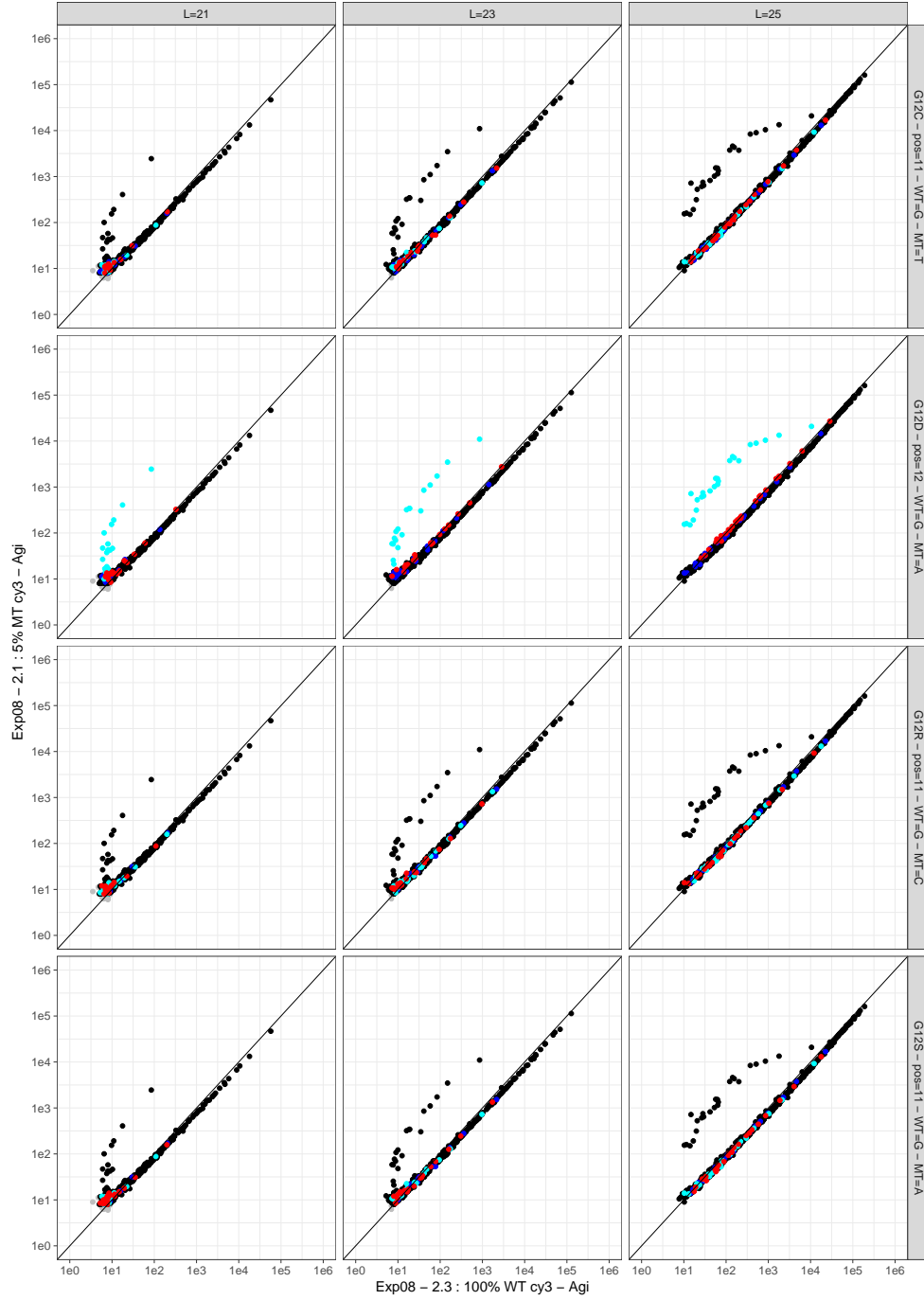
Experiment 10, G12C

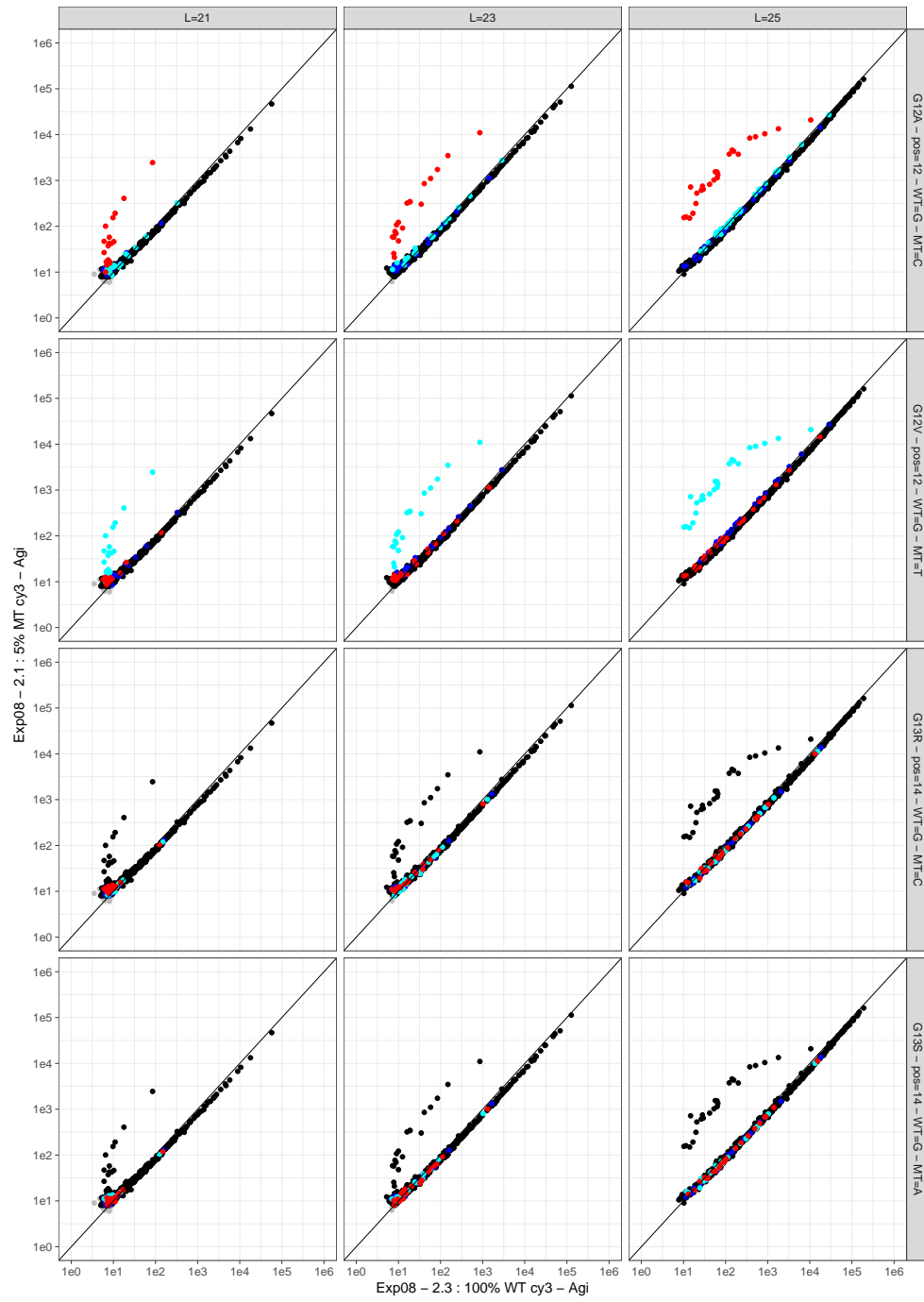


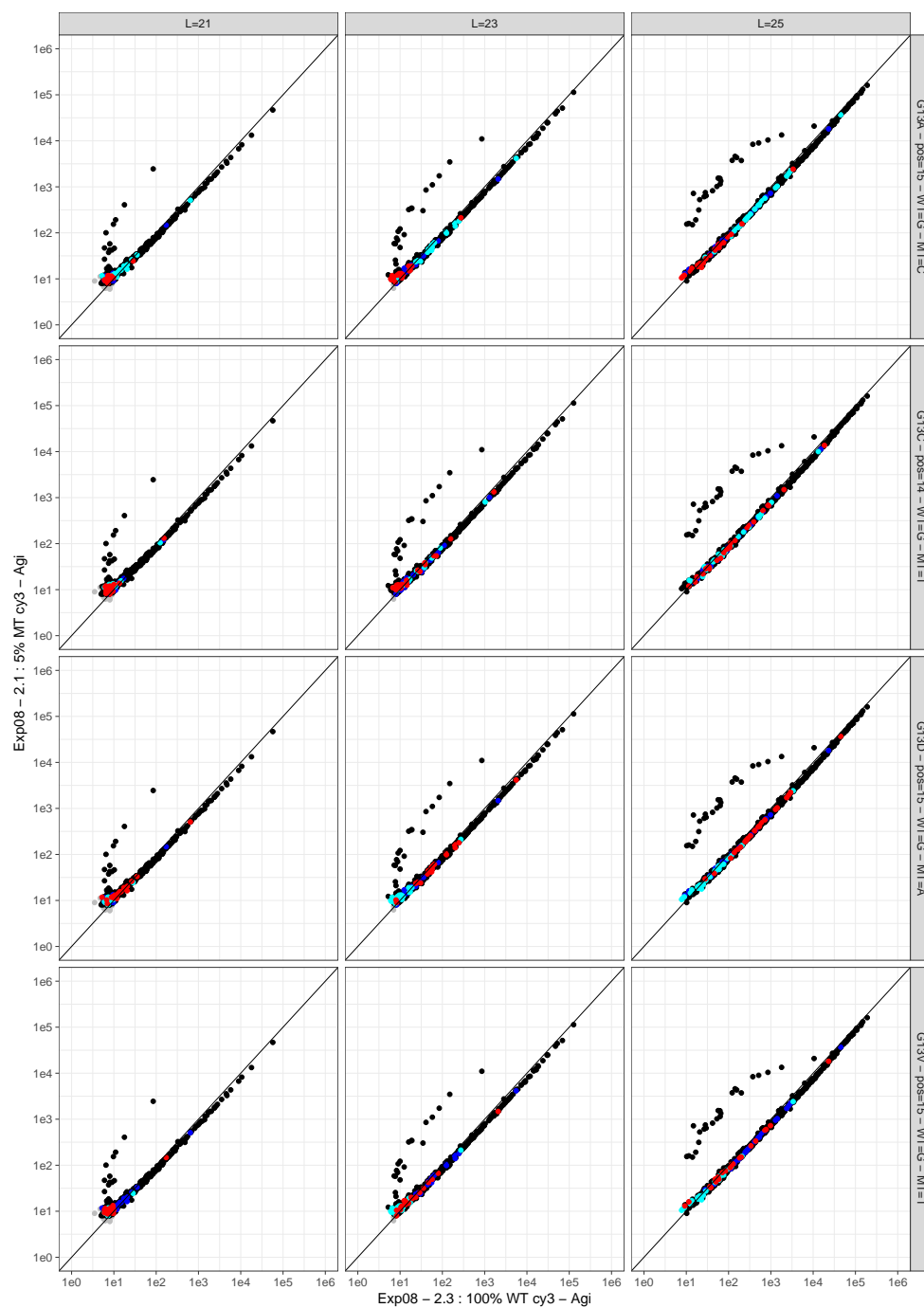




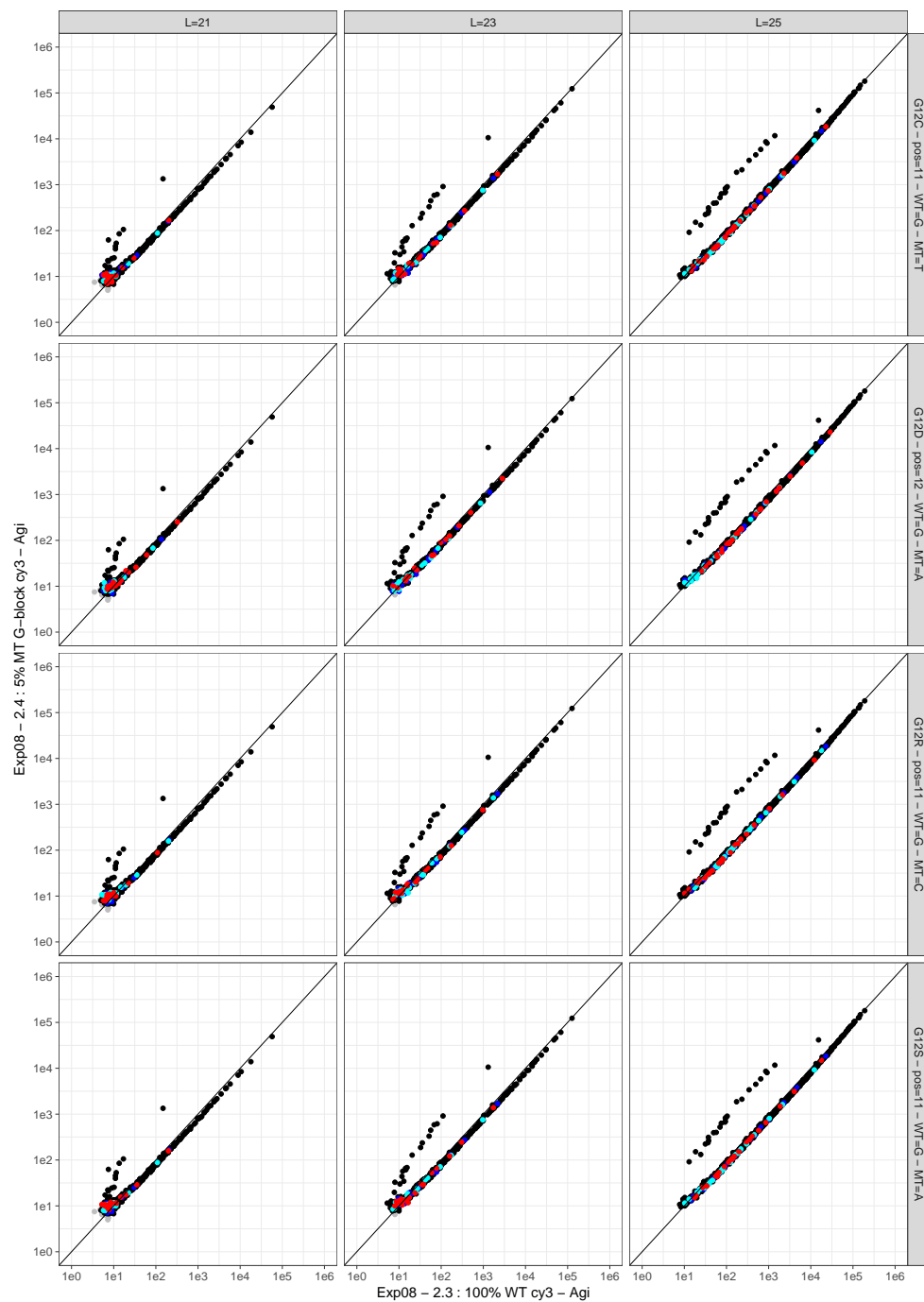
Experiment 11, G12A

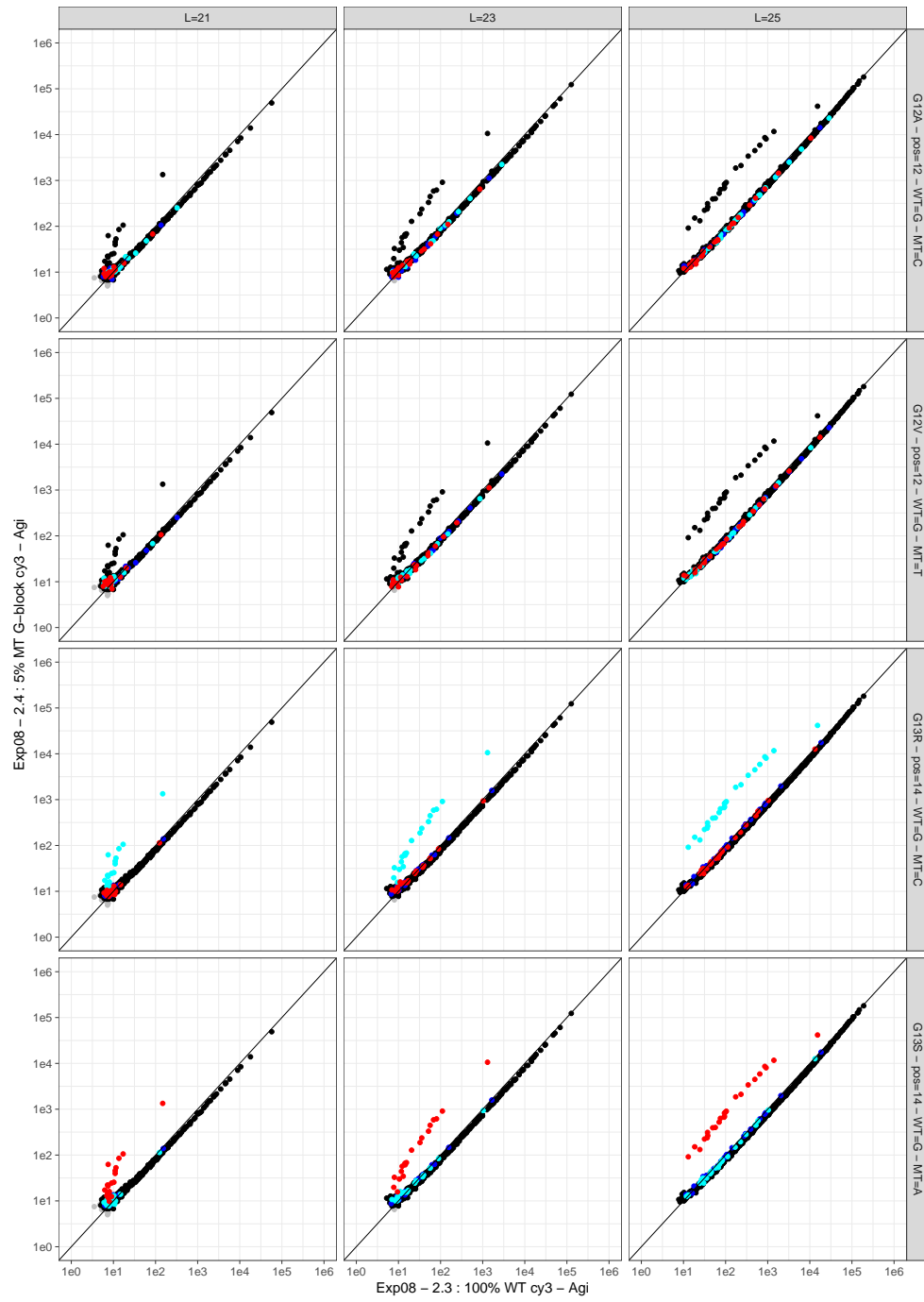


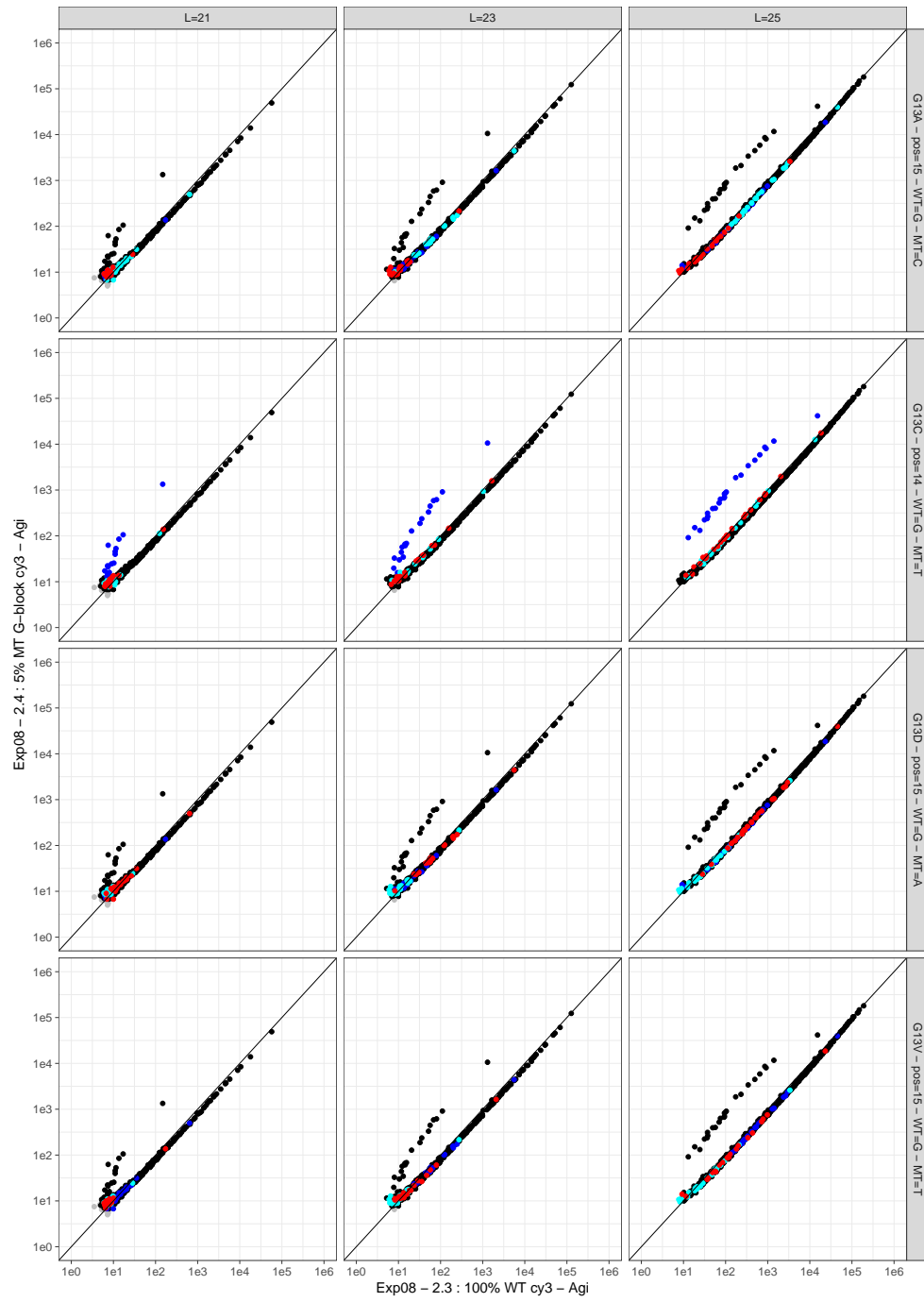




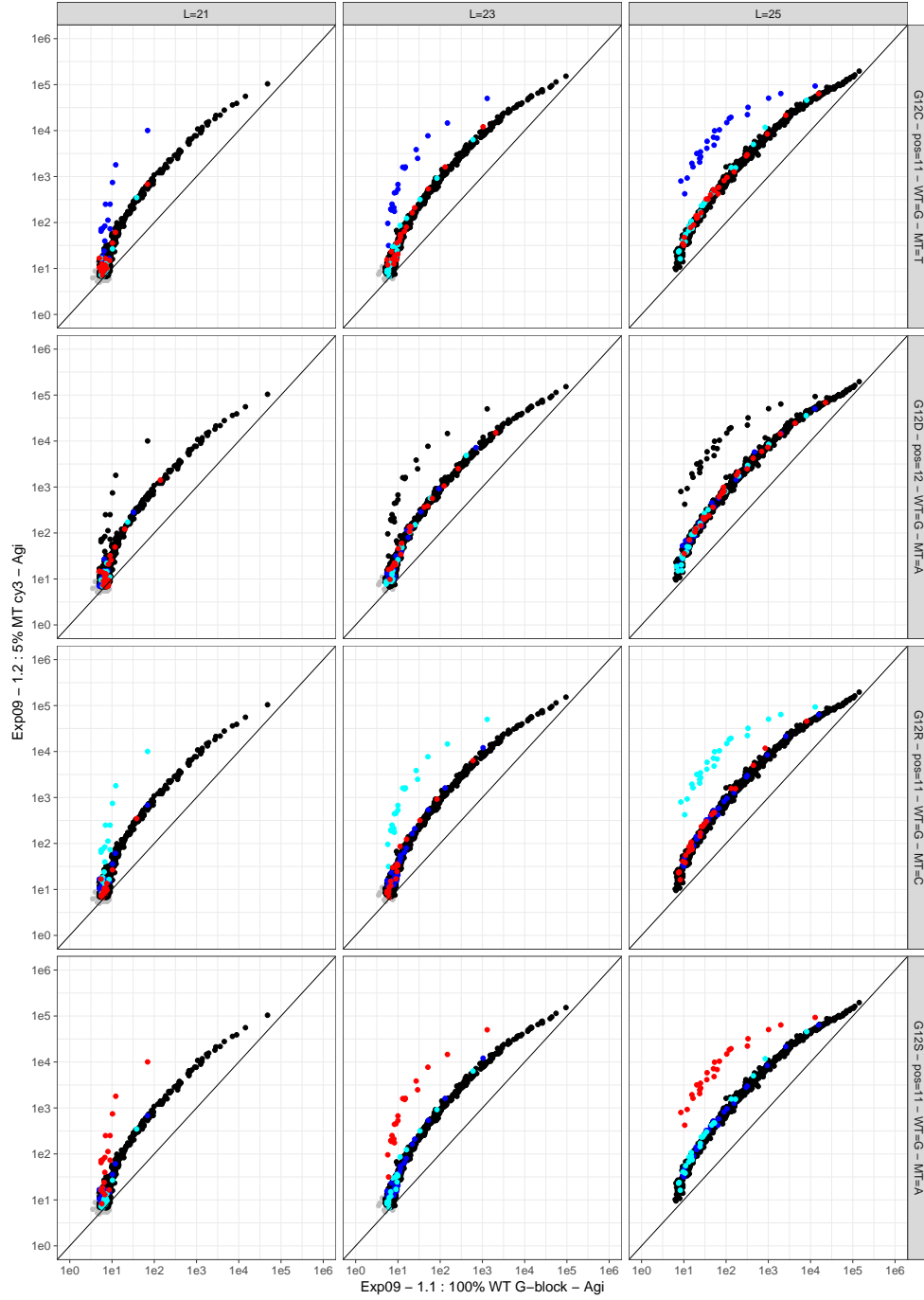
Experiment 12, G13S

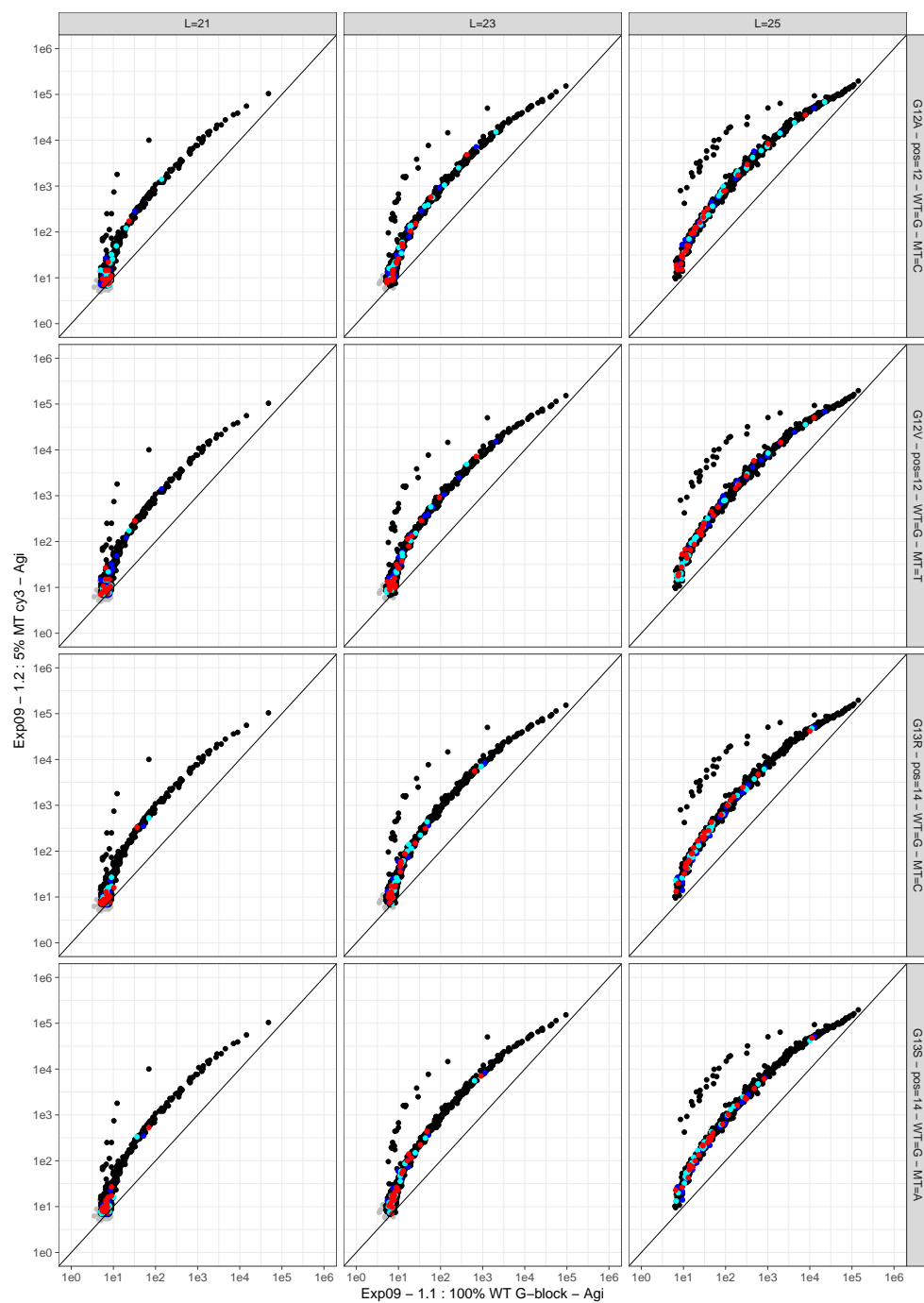


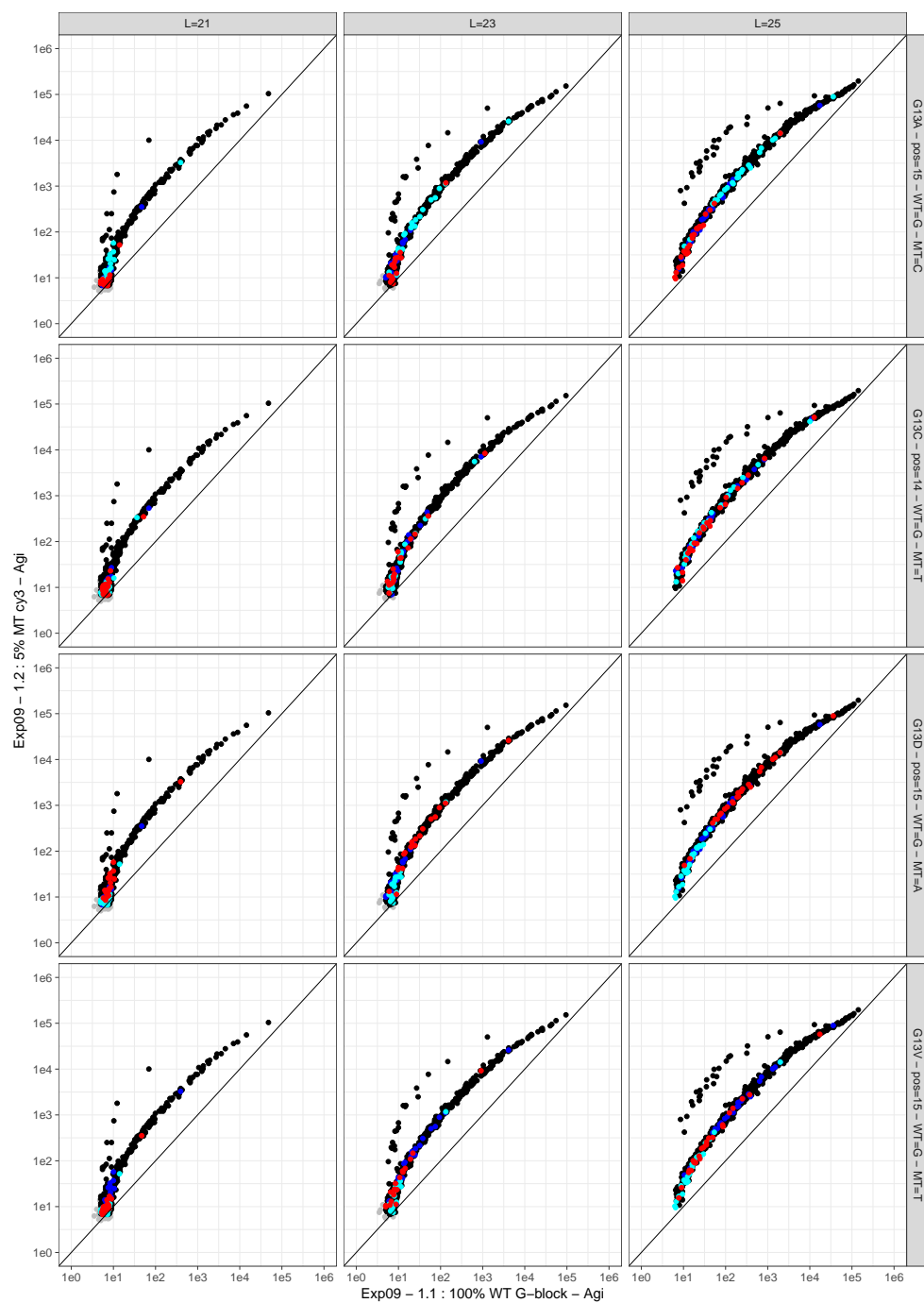




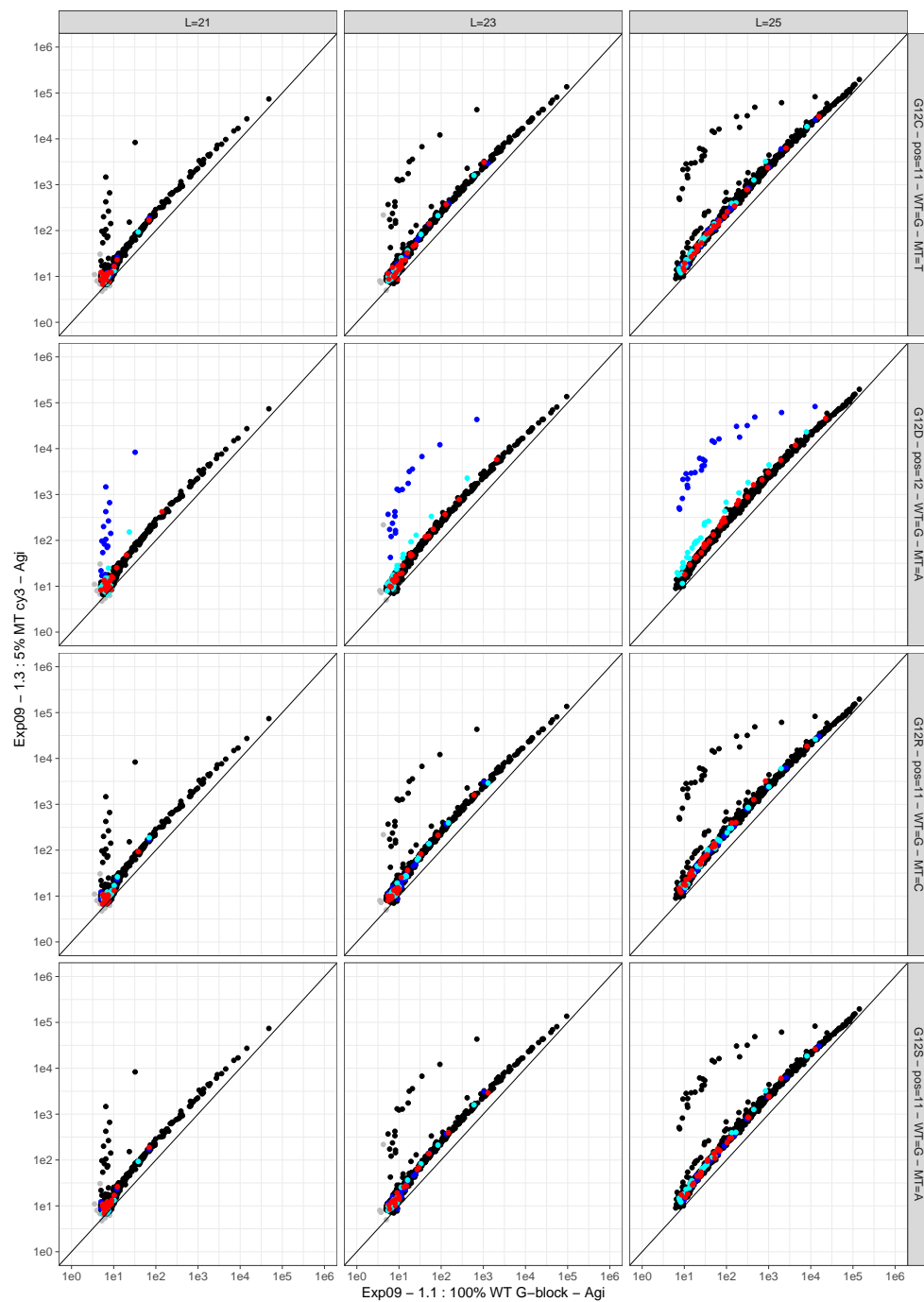
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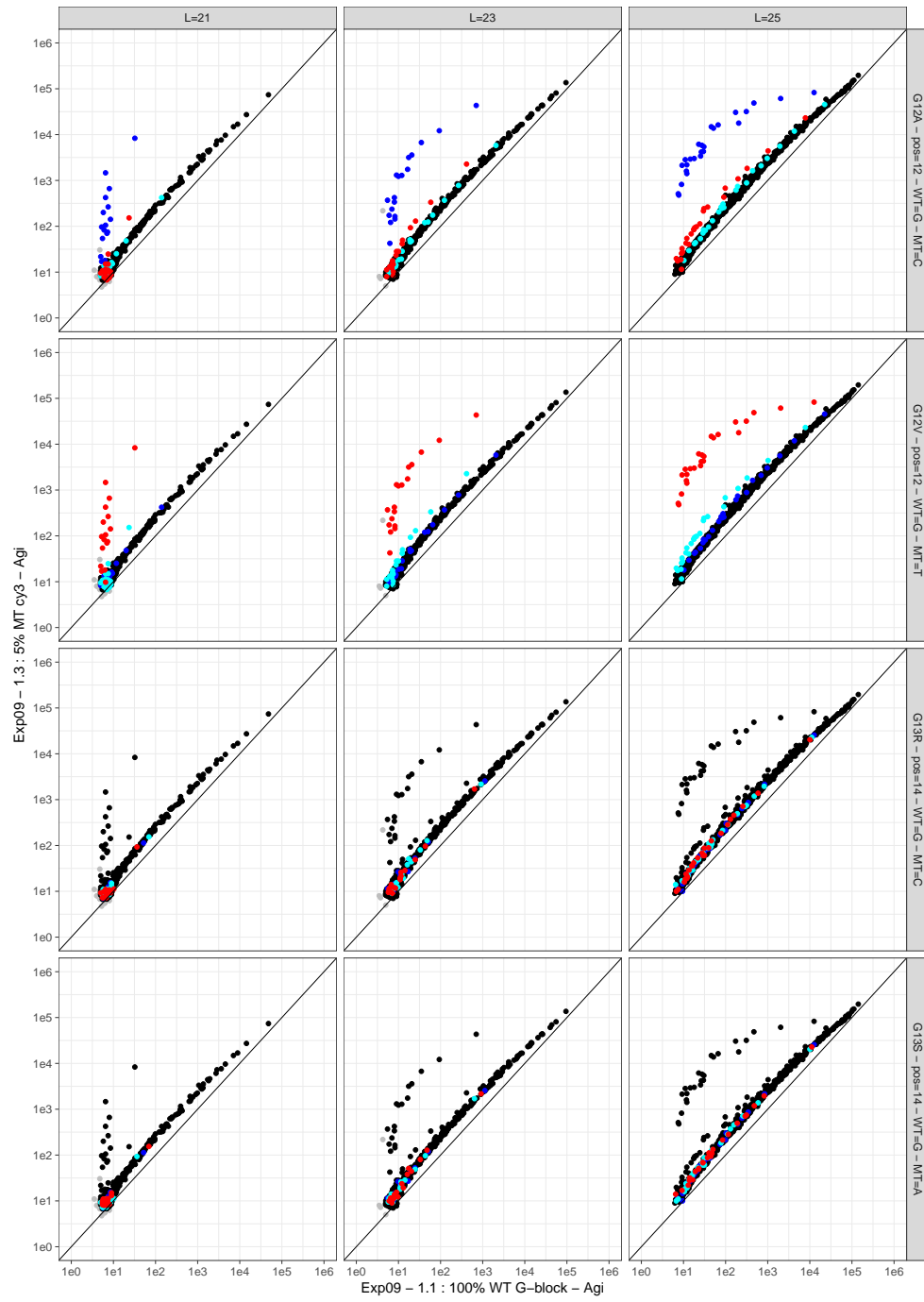


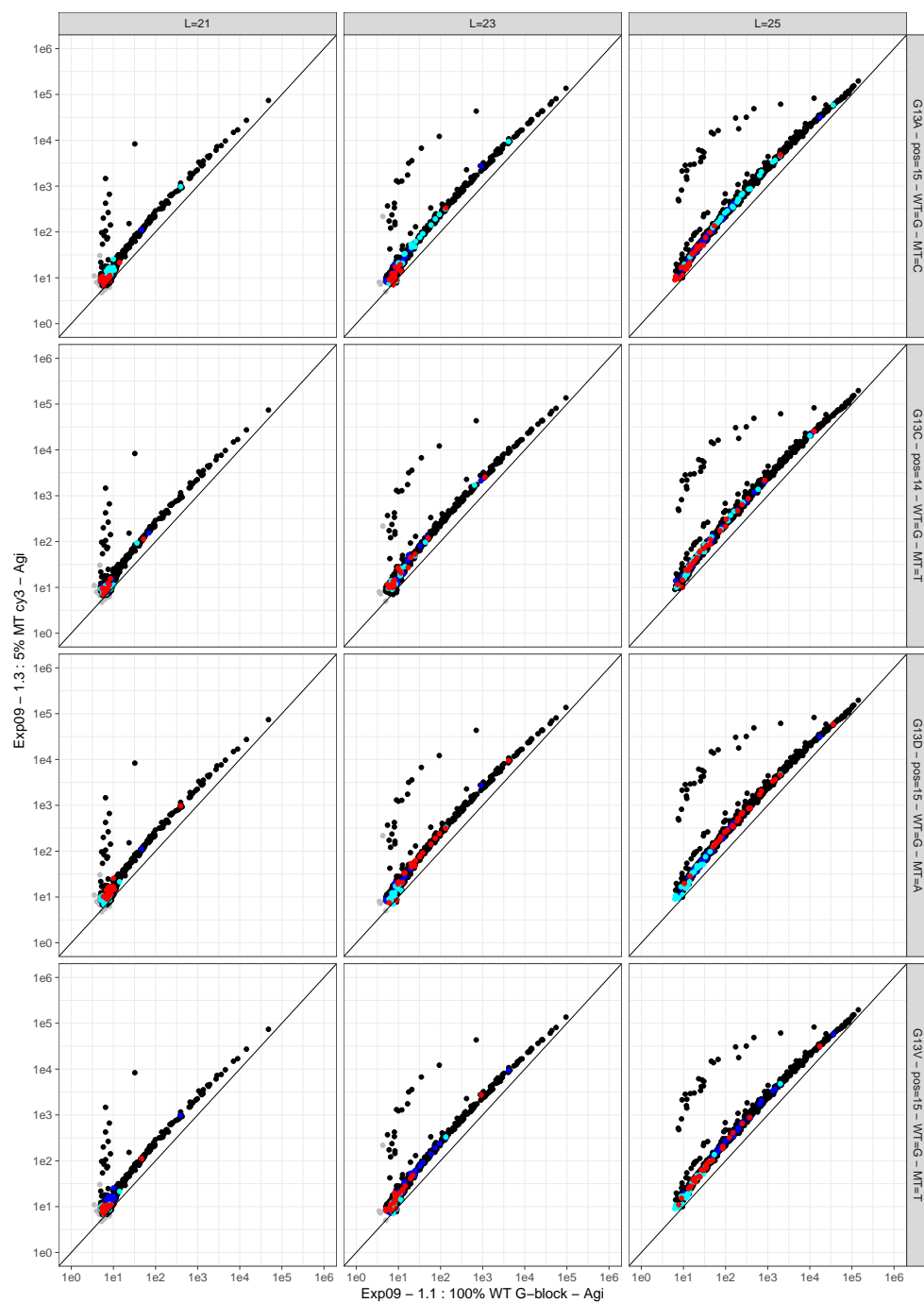




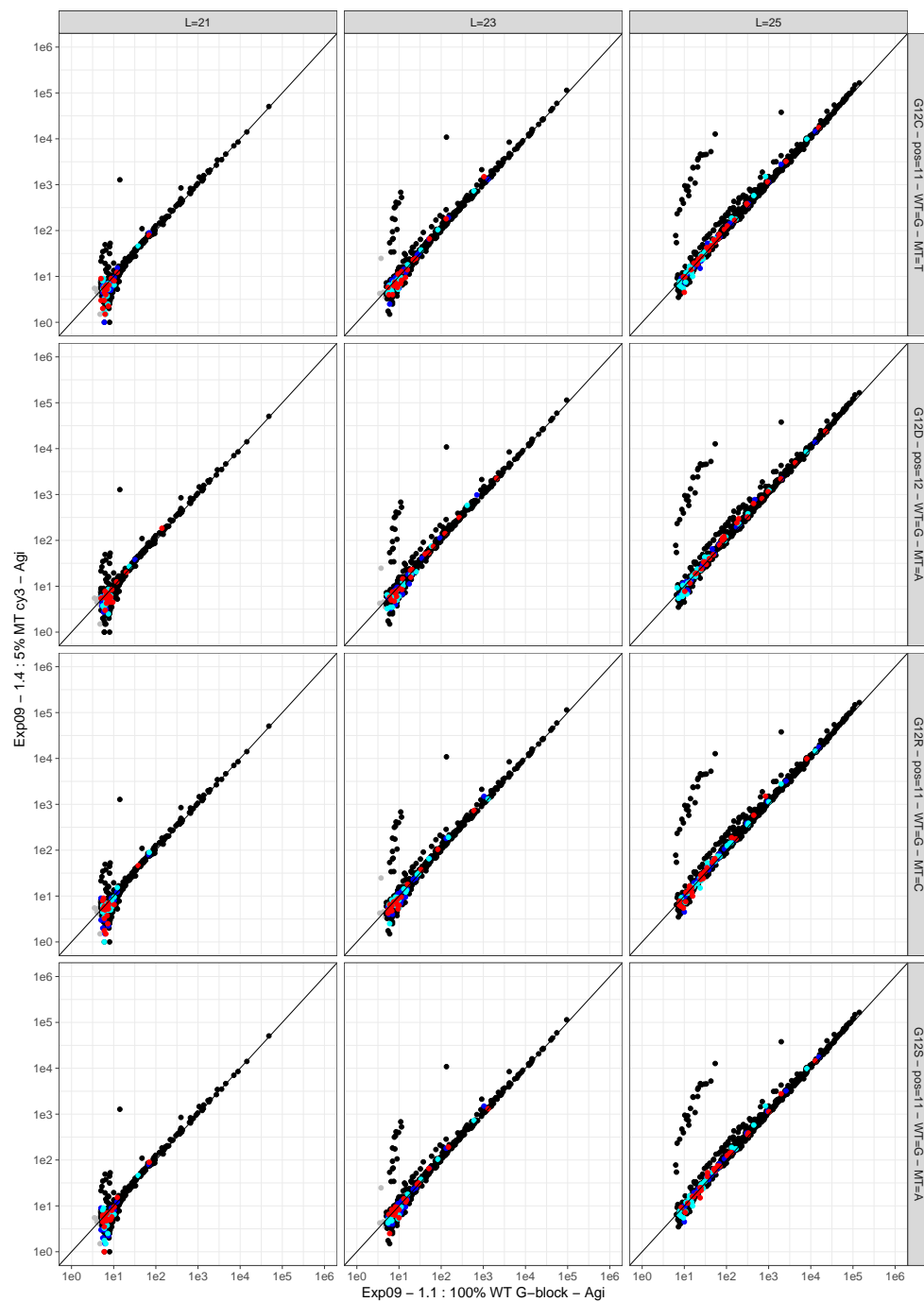
Experiment 14, G12V

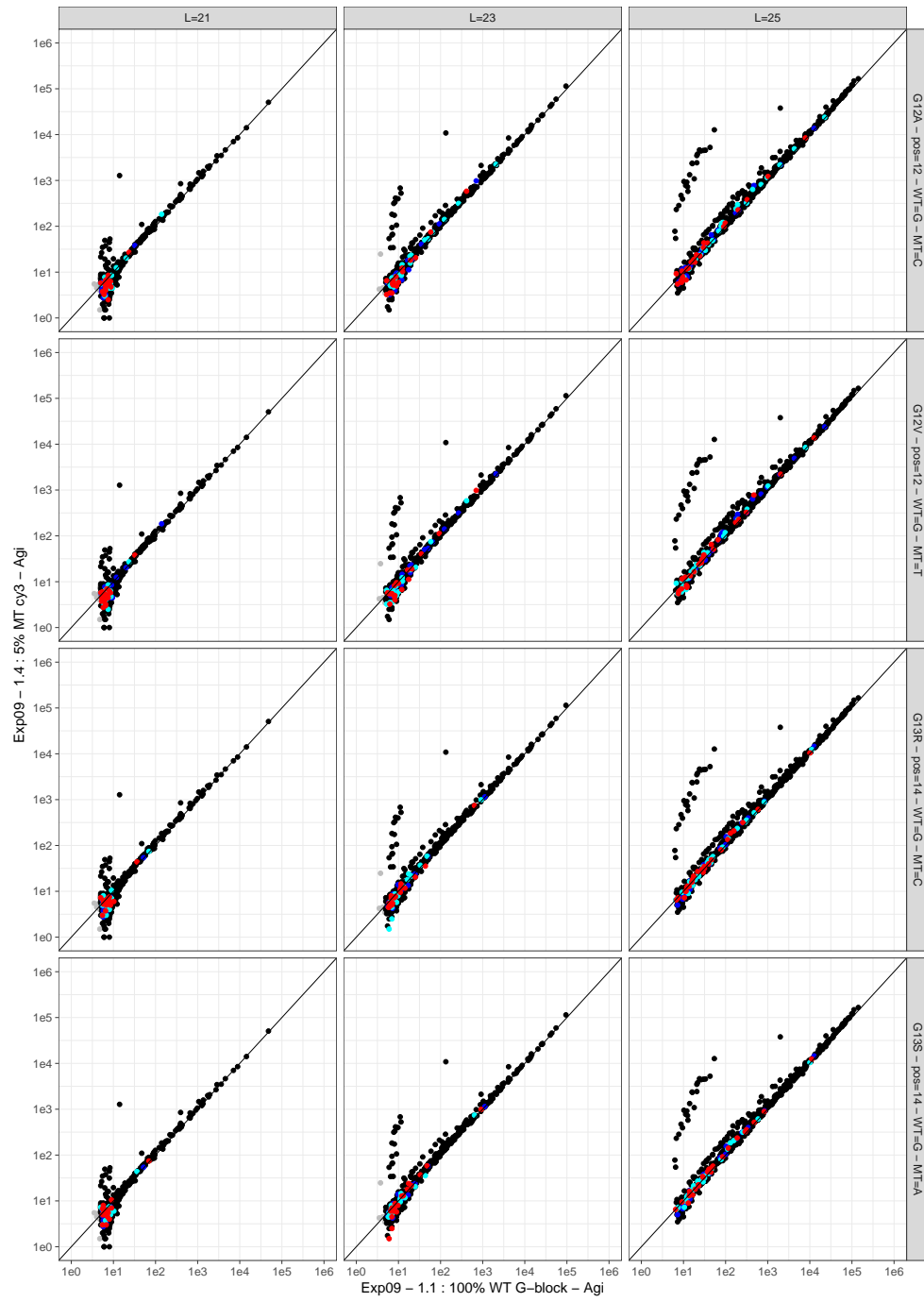


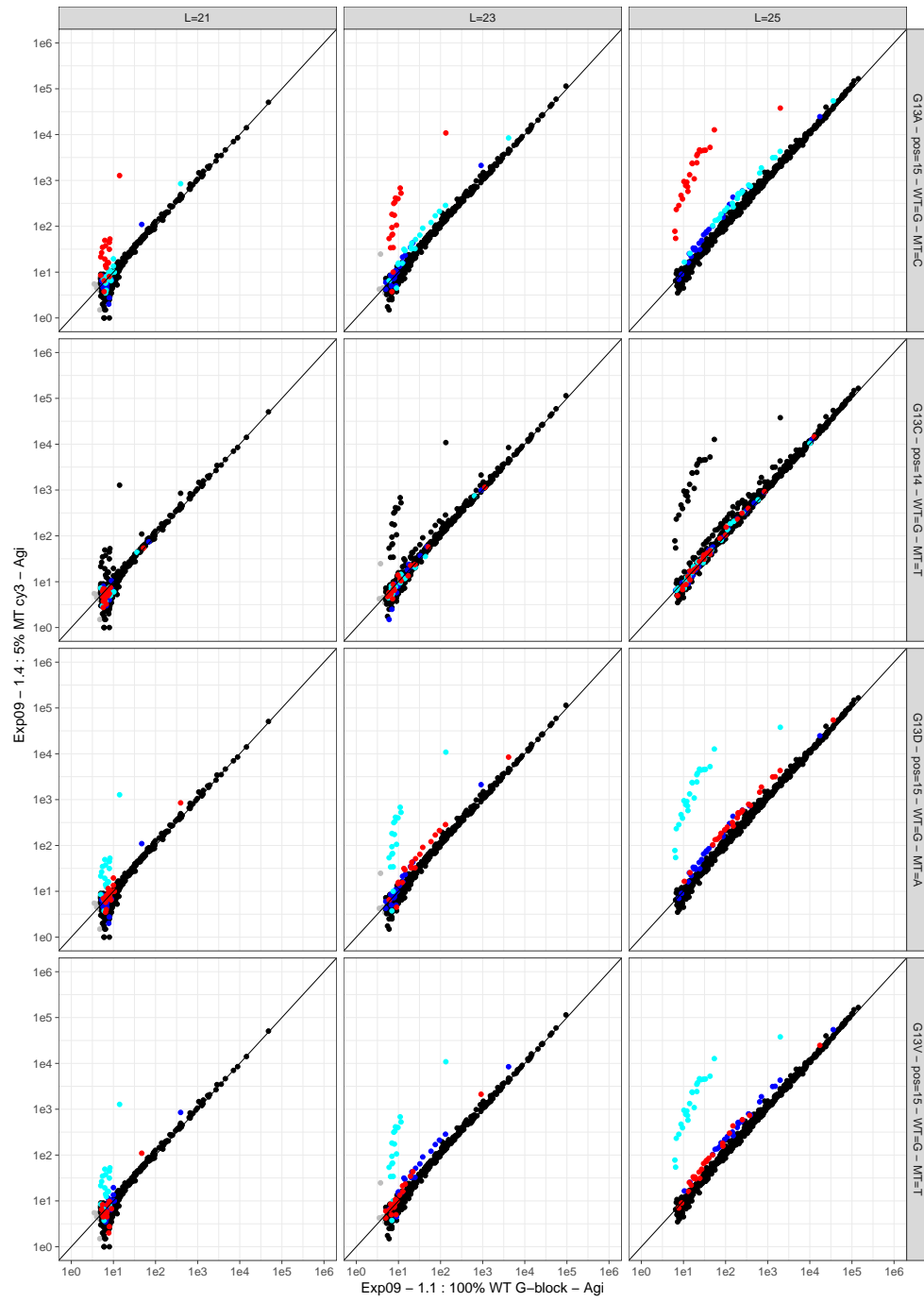




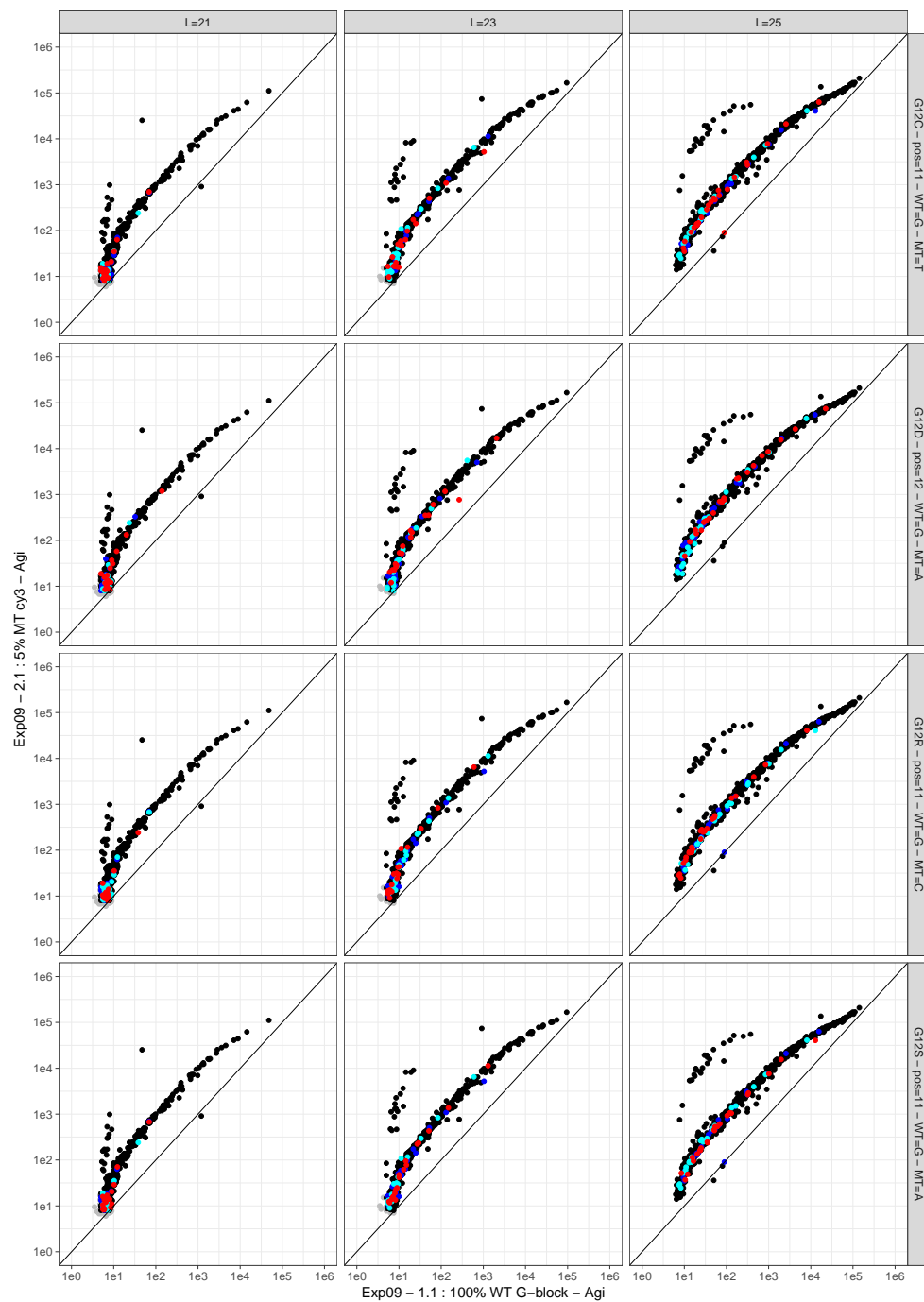
Experiment 15, G13A

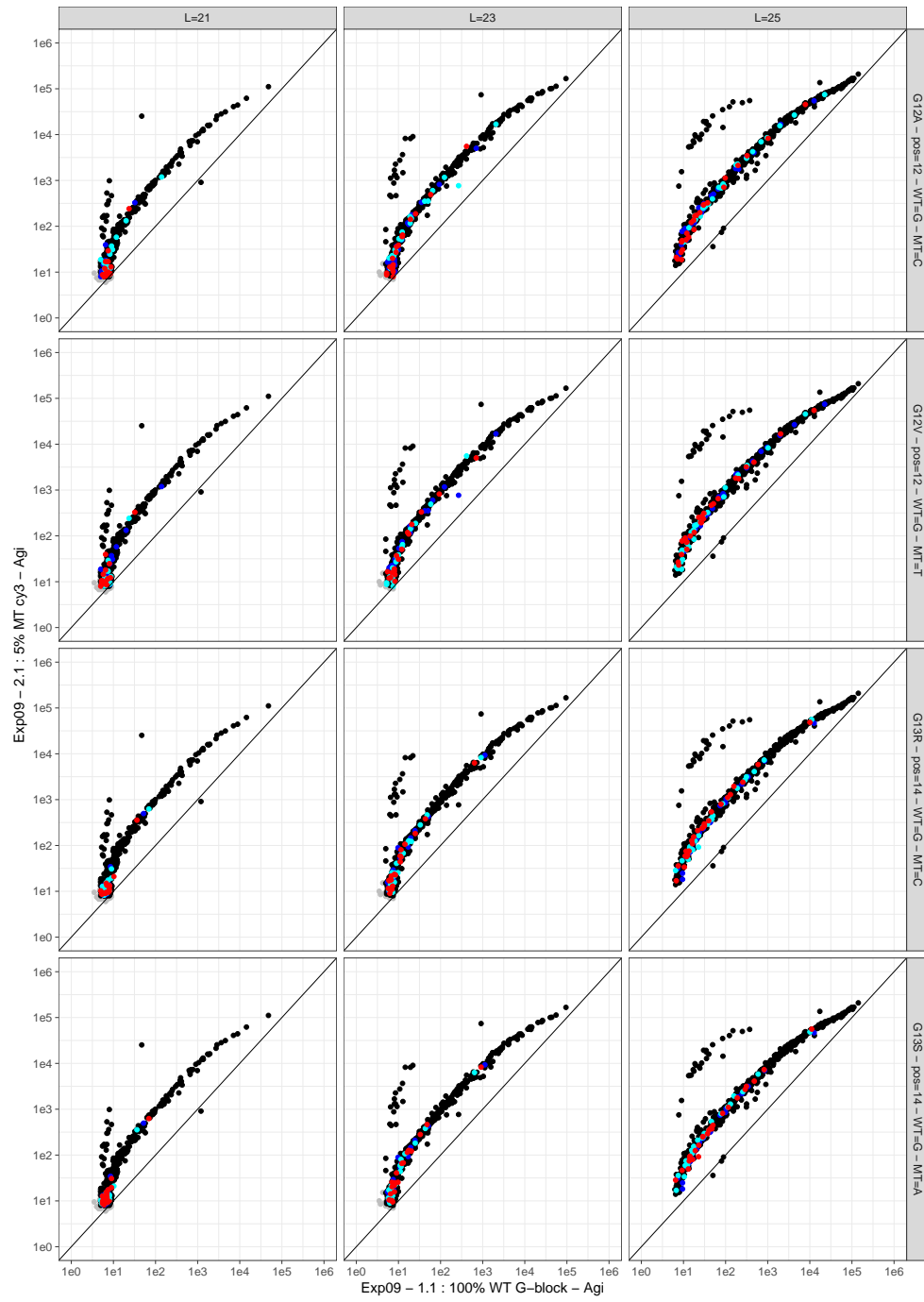


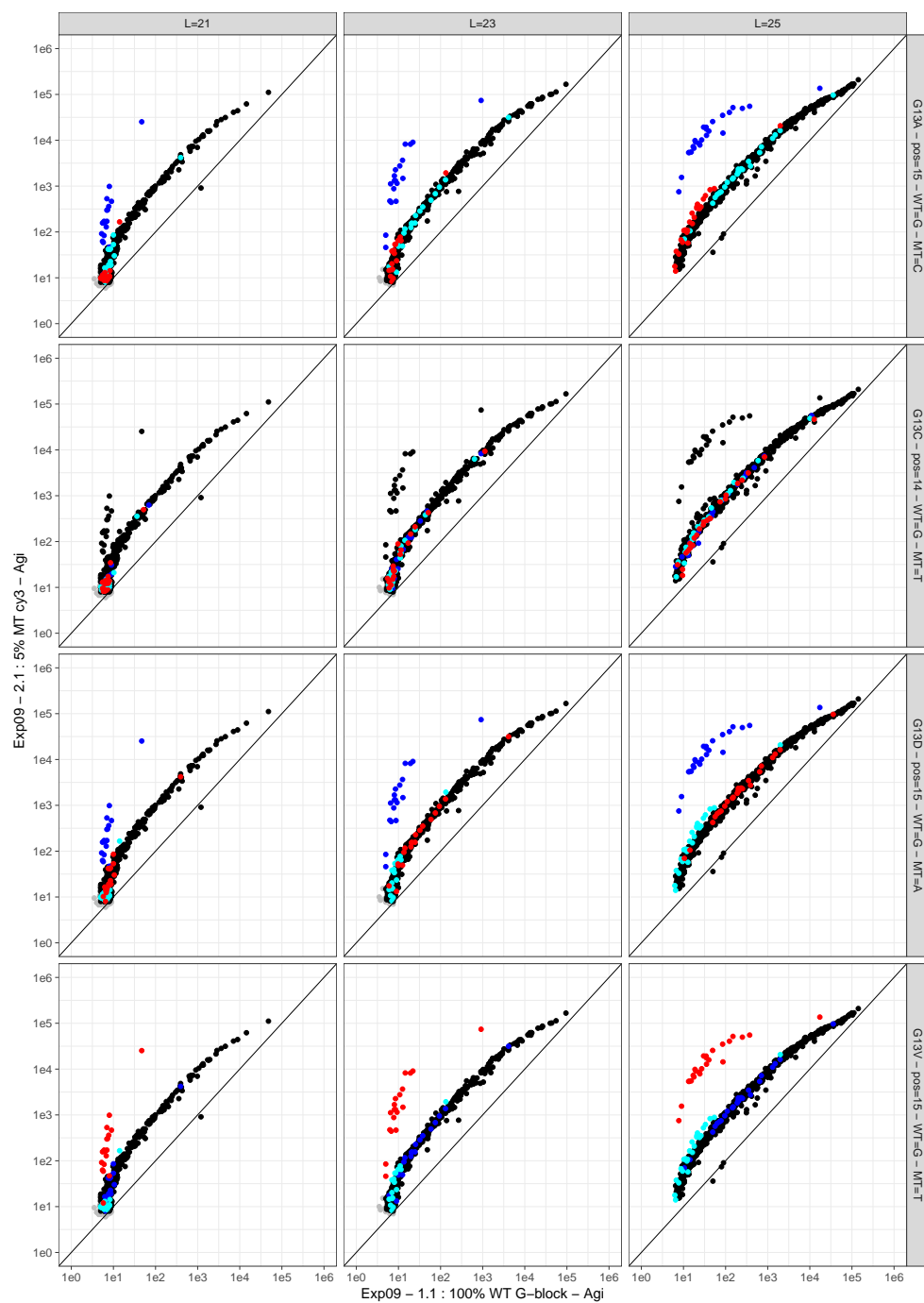




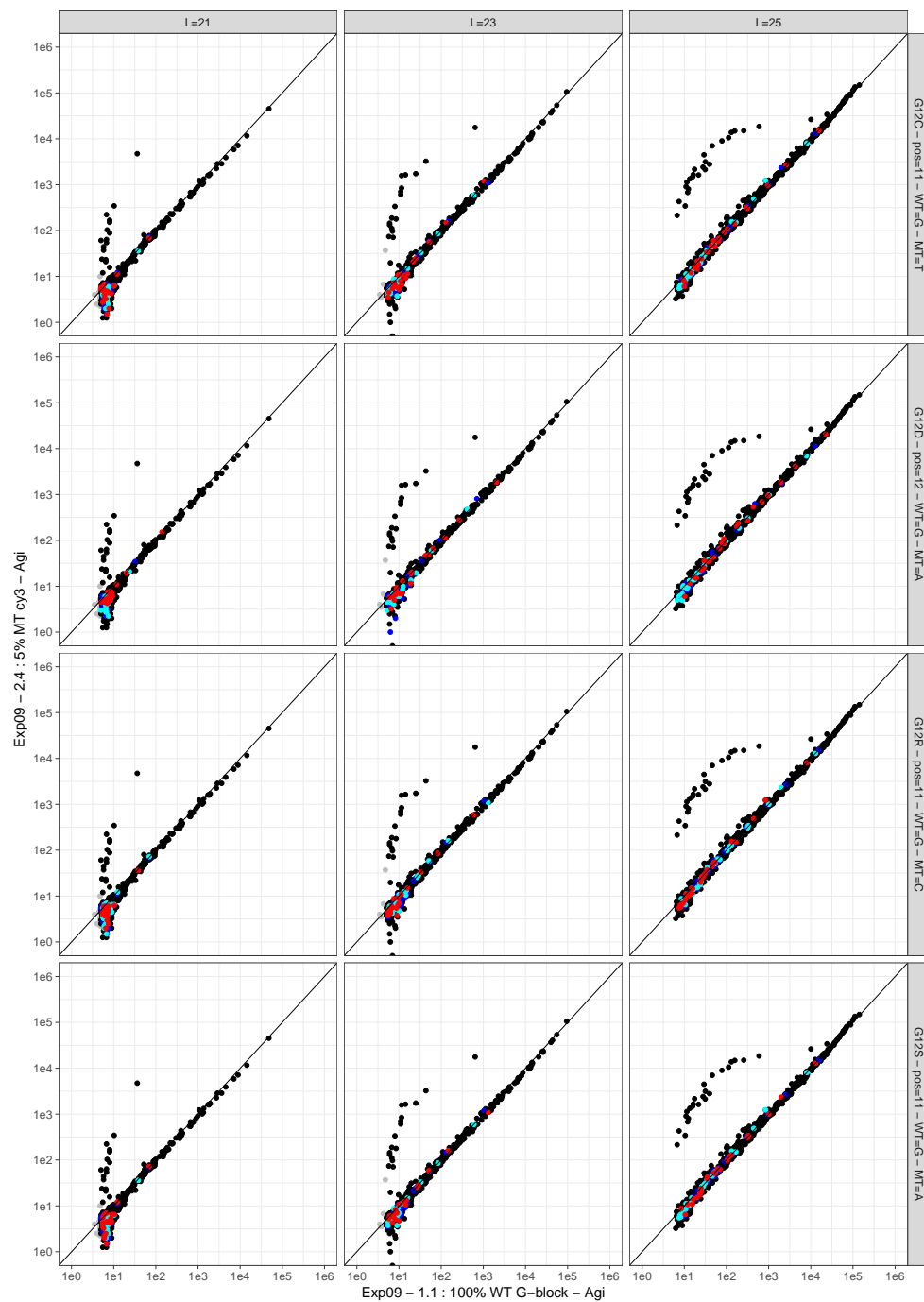
Experiment 16, G13V

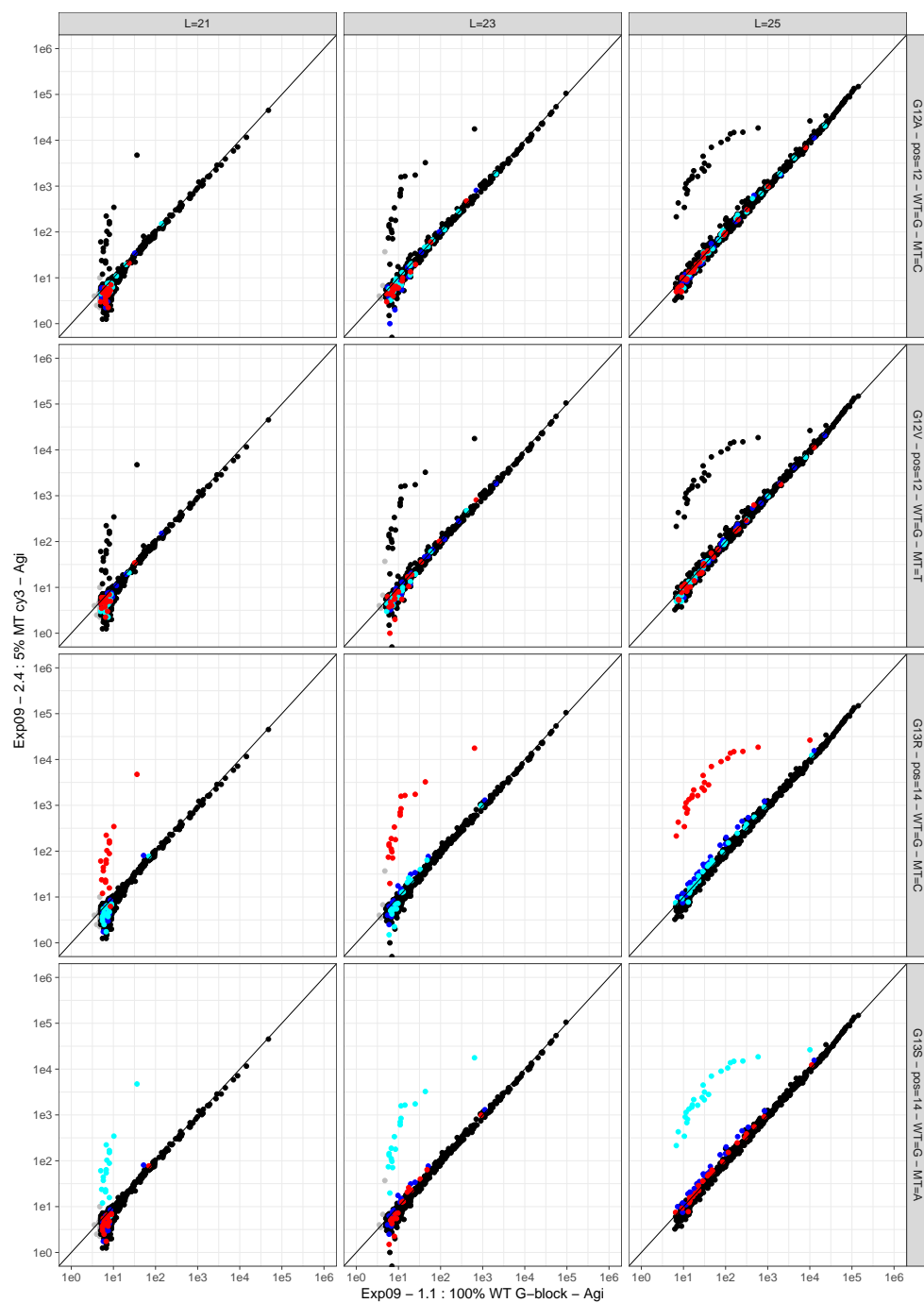


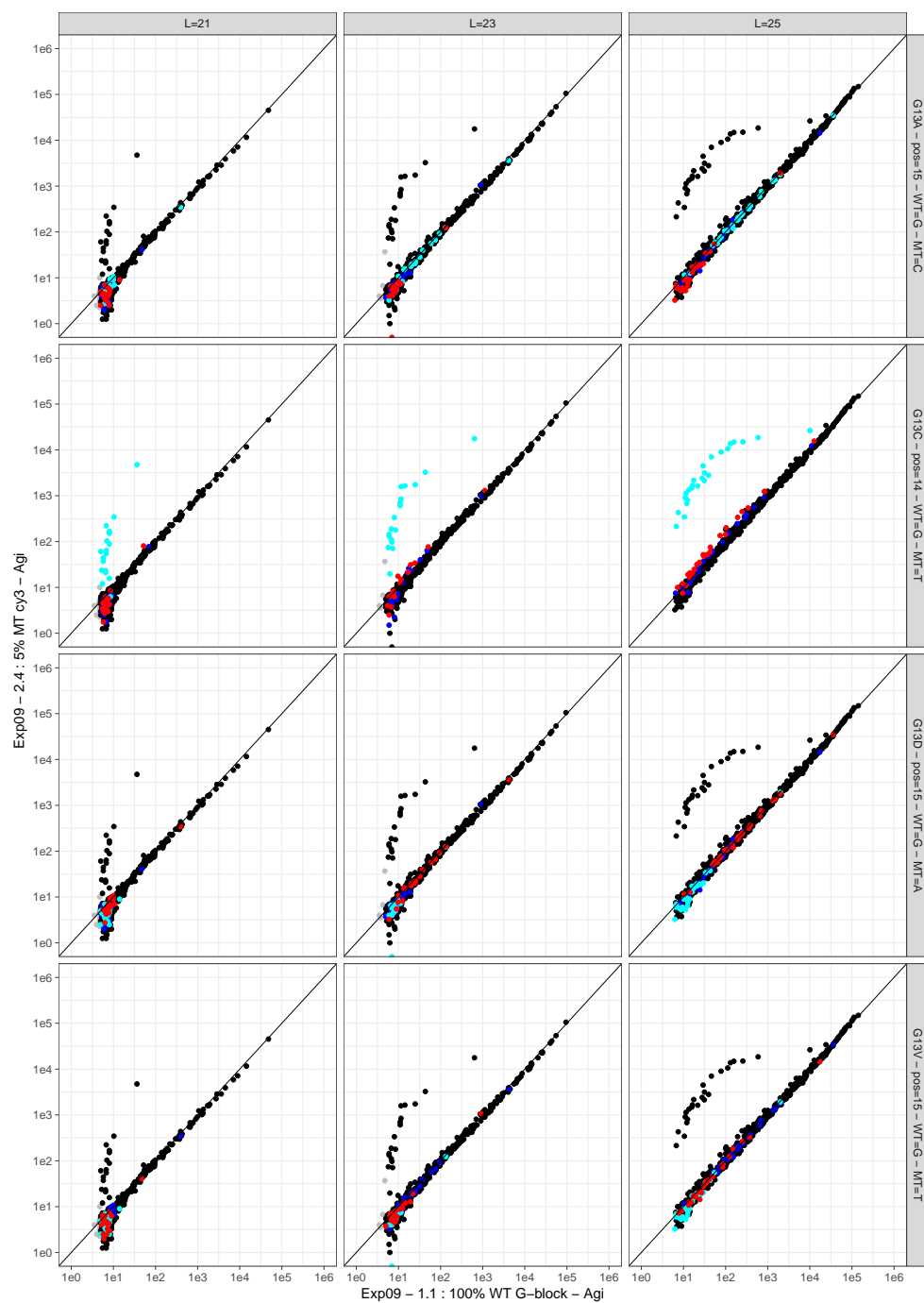




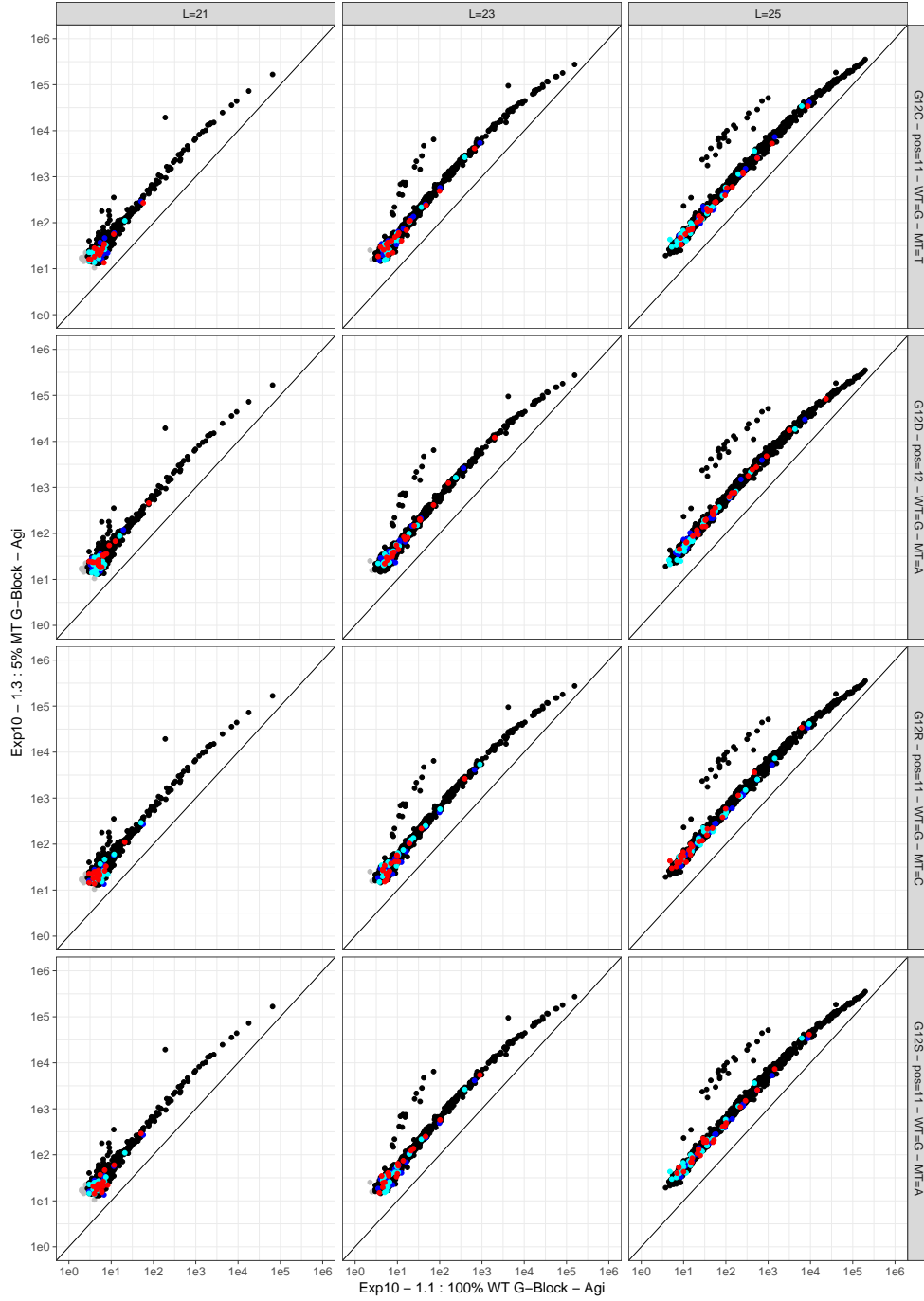
Experiment 17, G13R

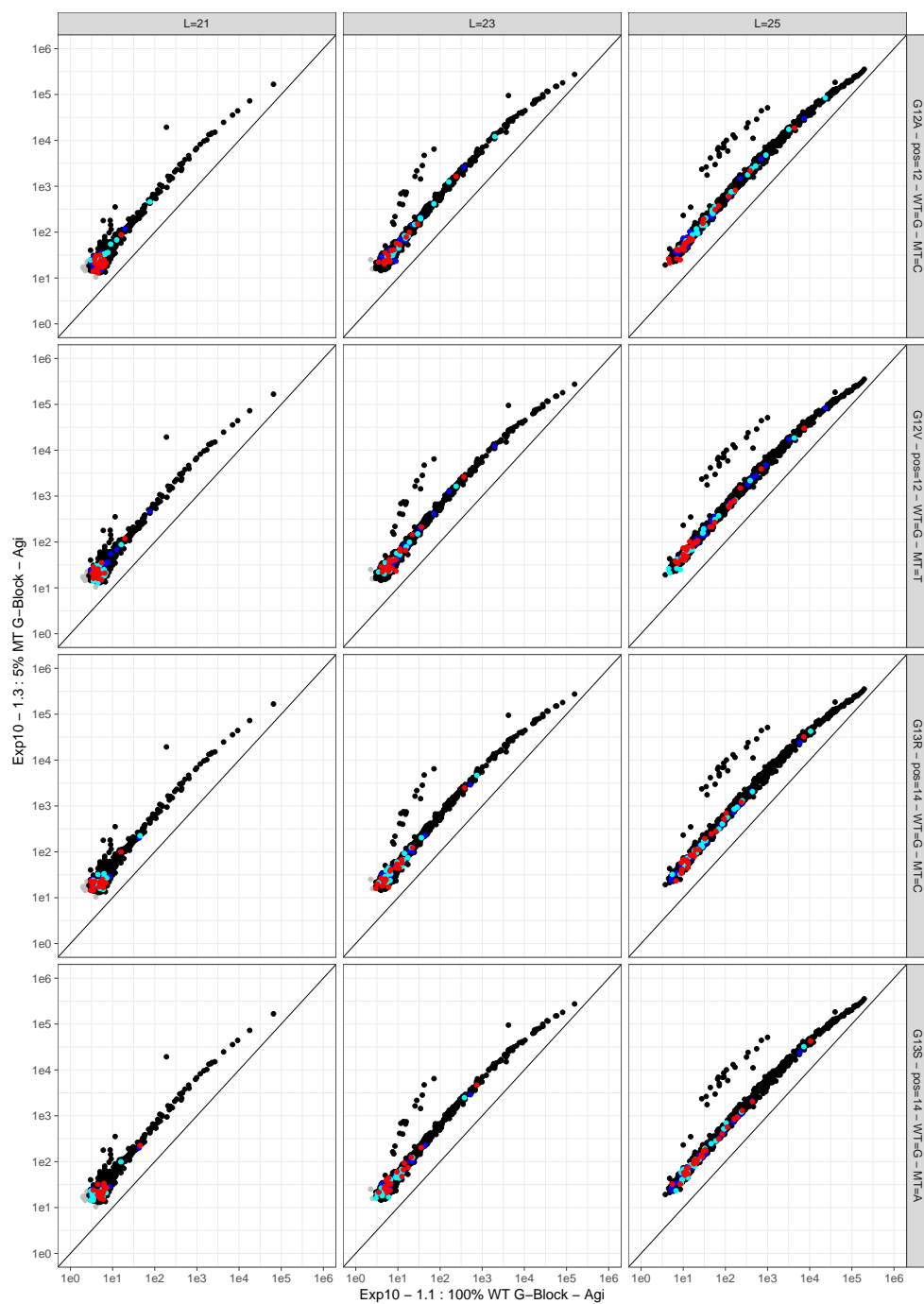


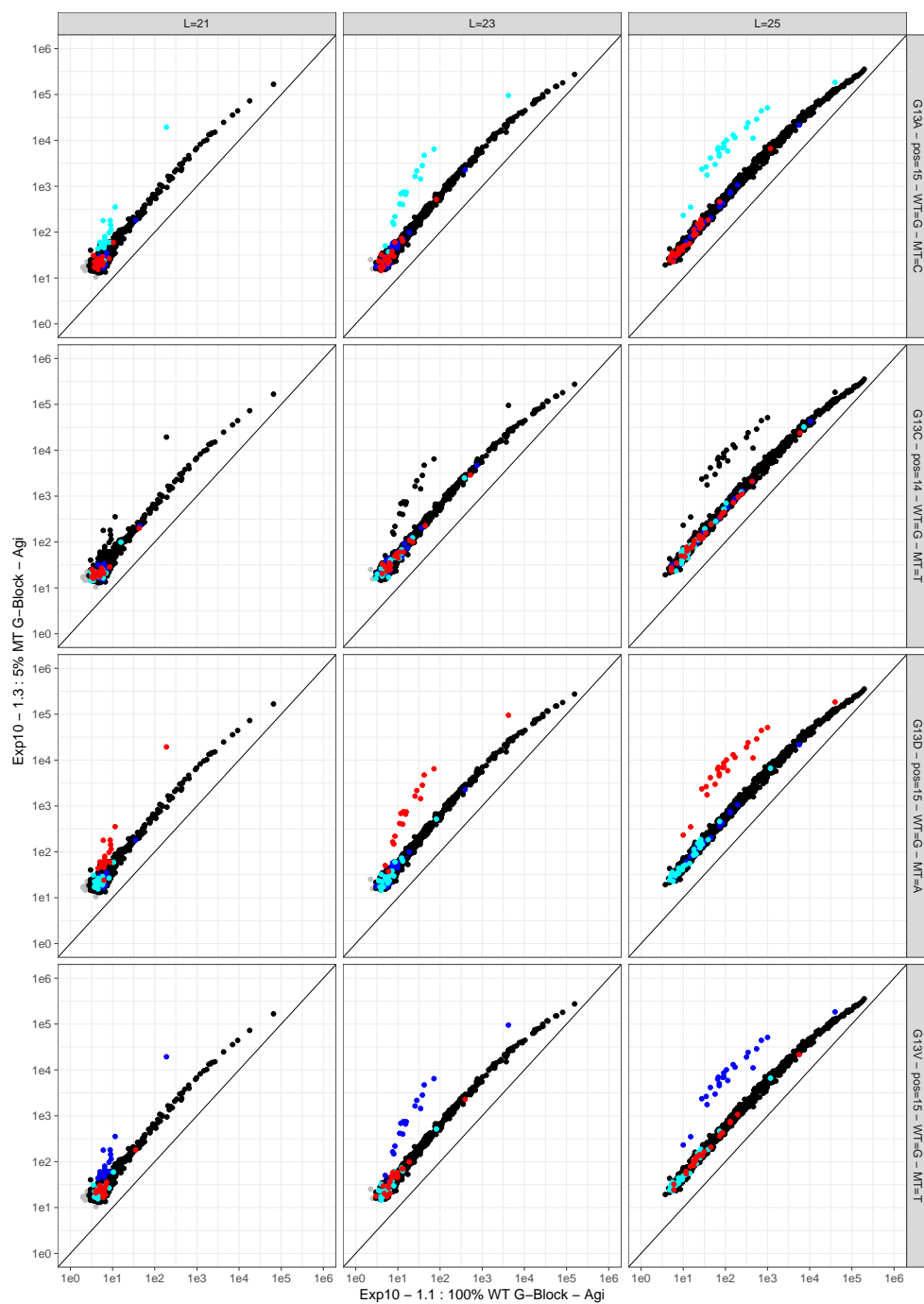




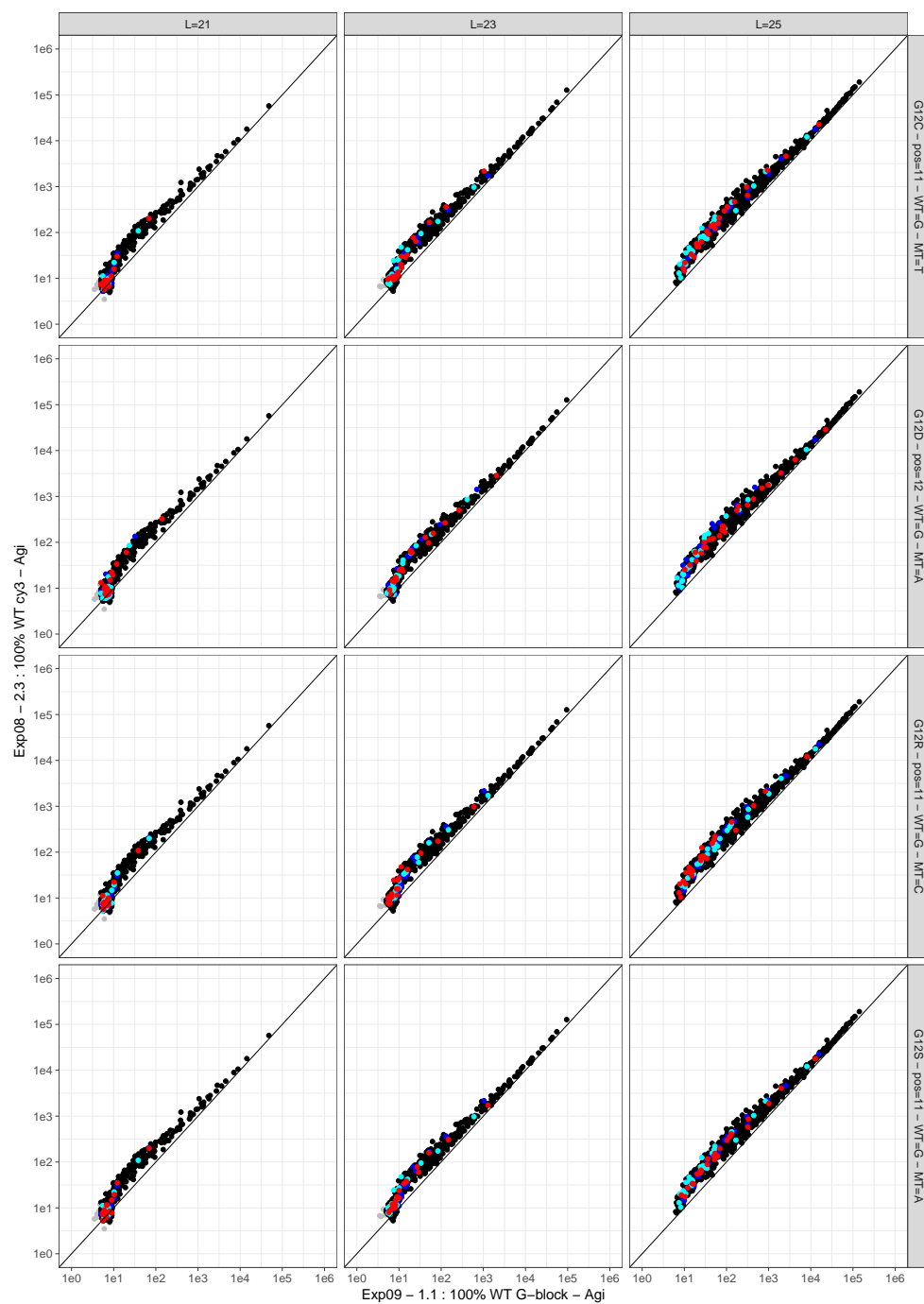
Experiment 18, G13D

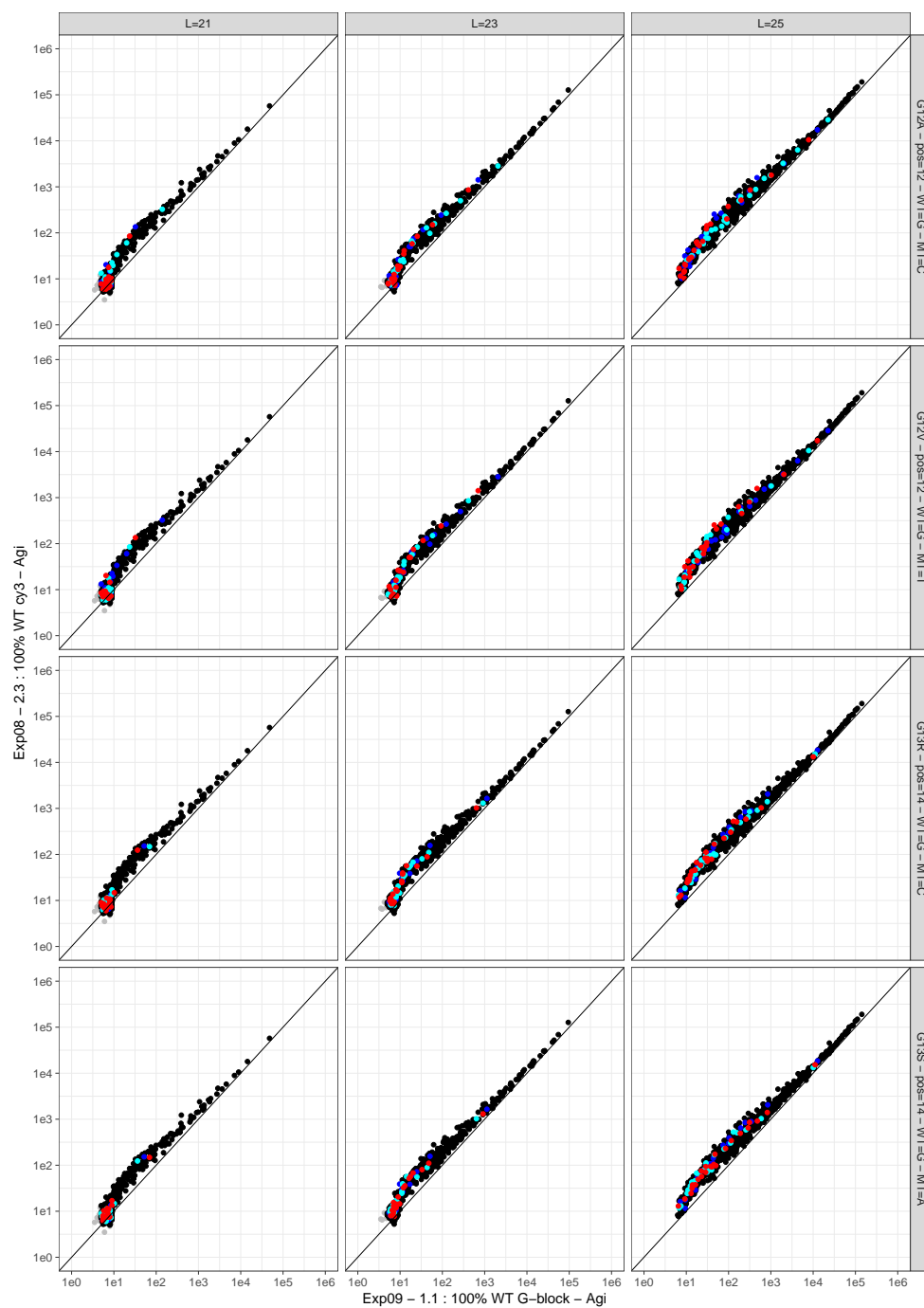


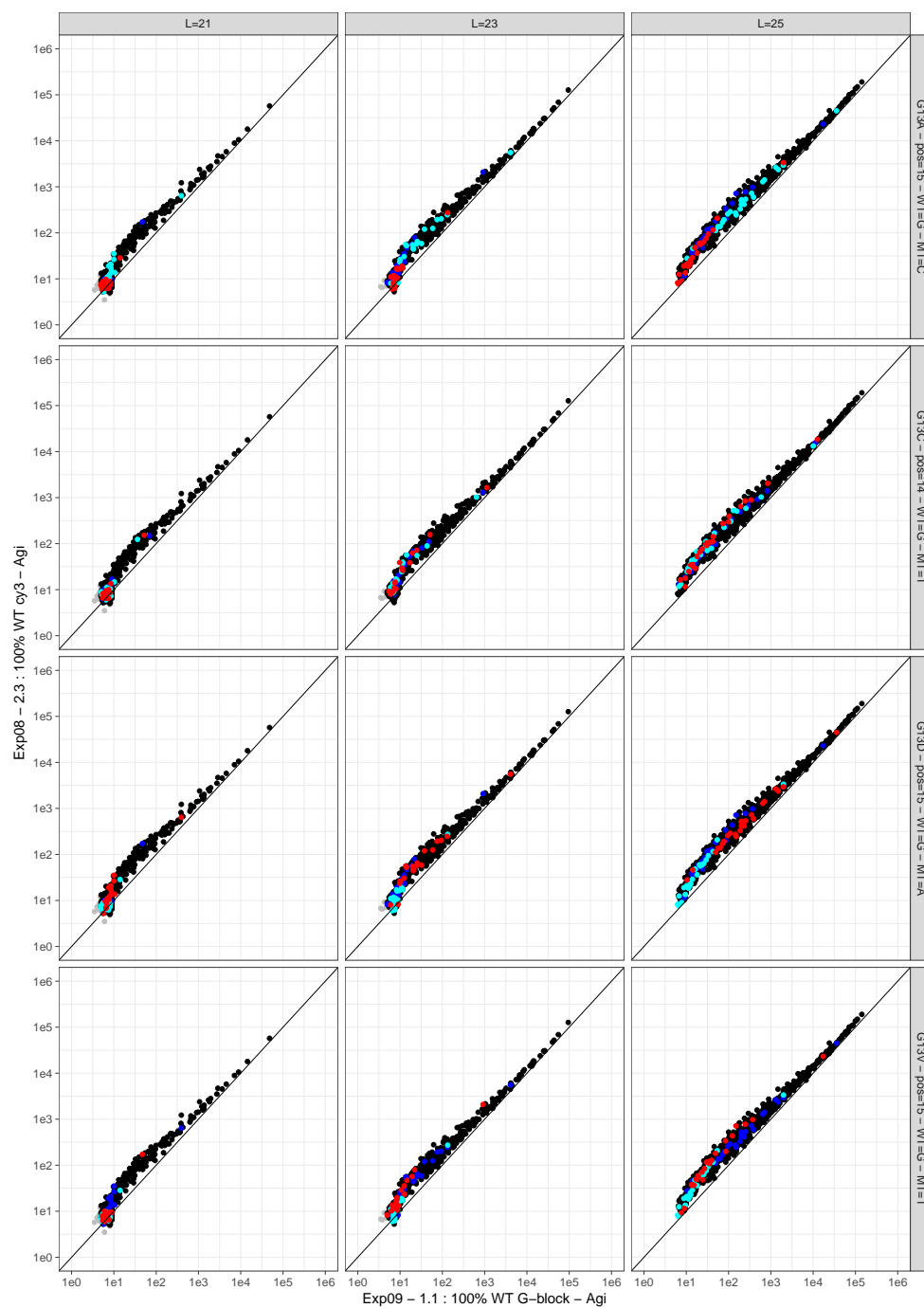




Experiment 19, WT

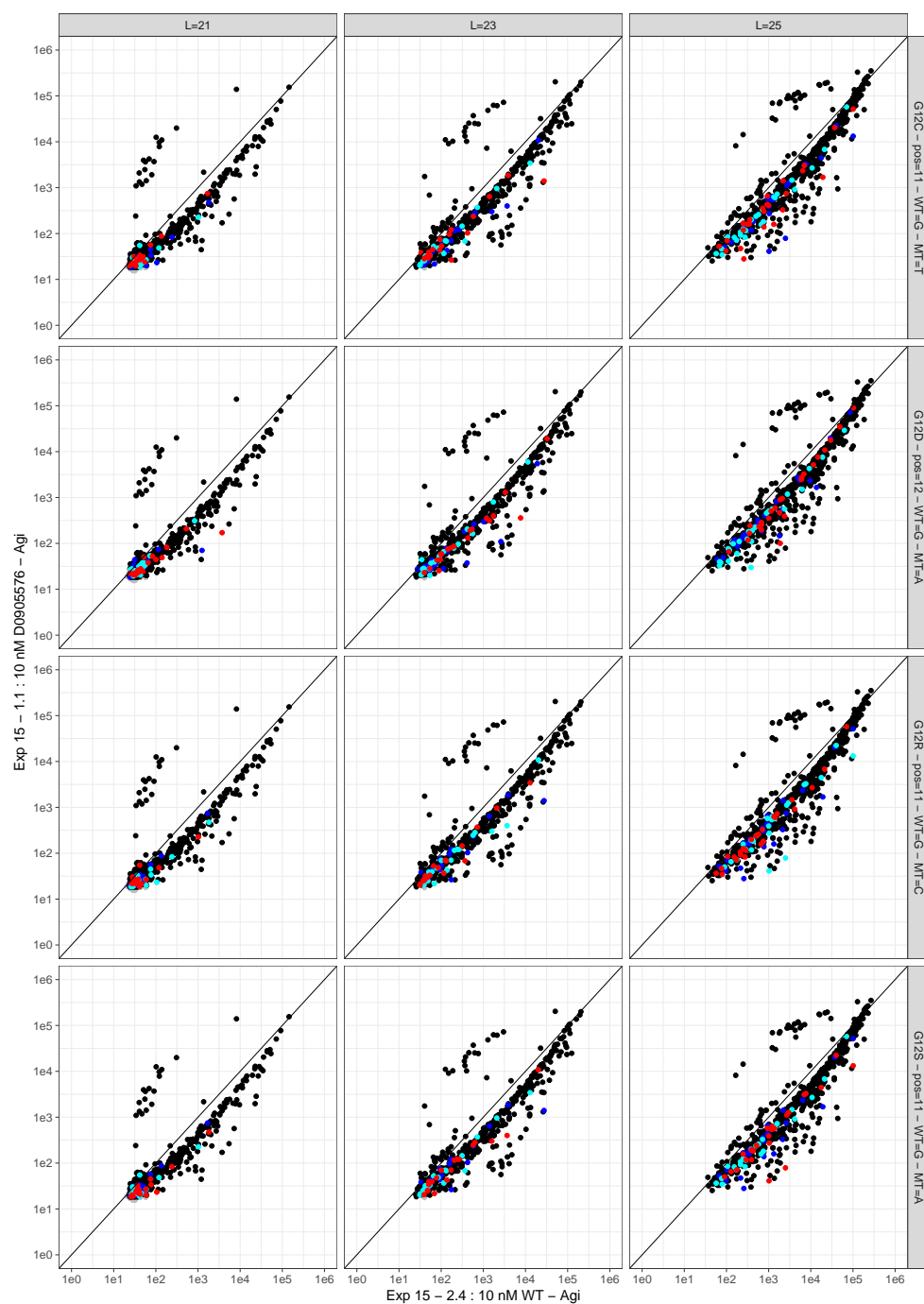


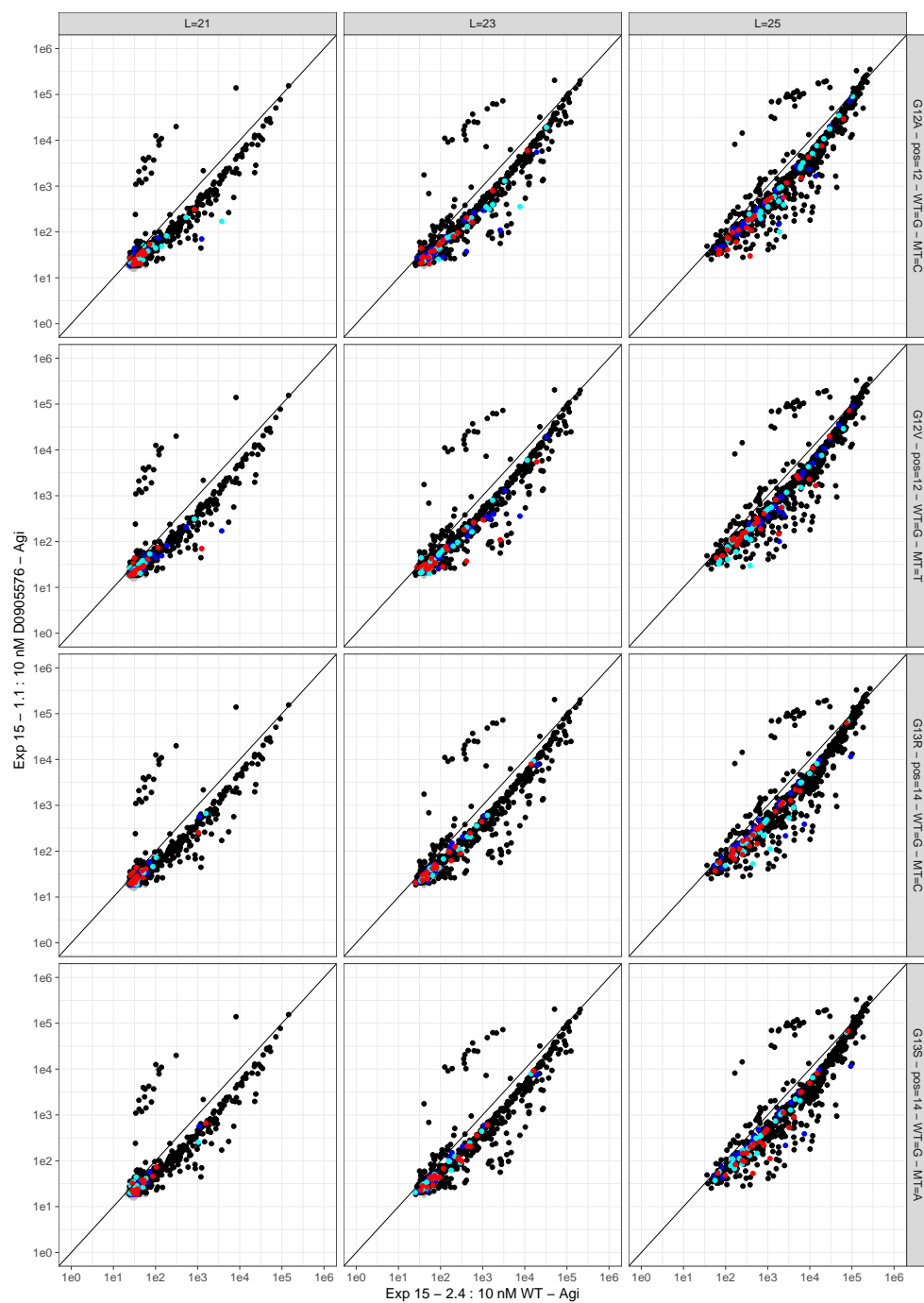


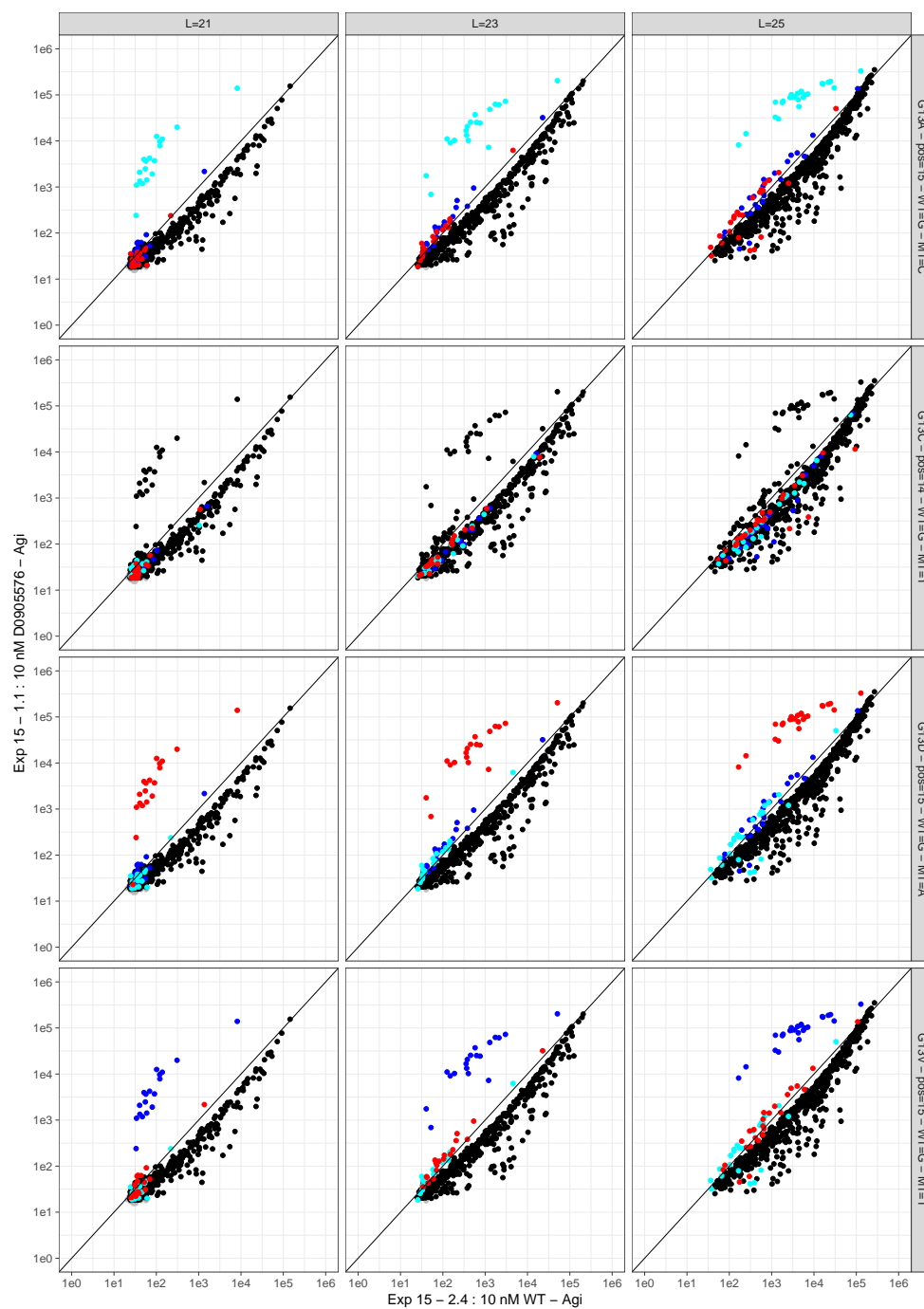


Experiment set 3: blinded clinical samples

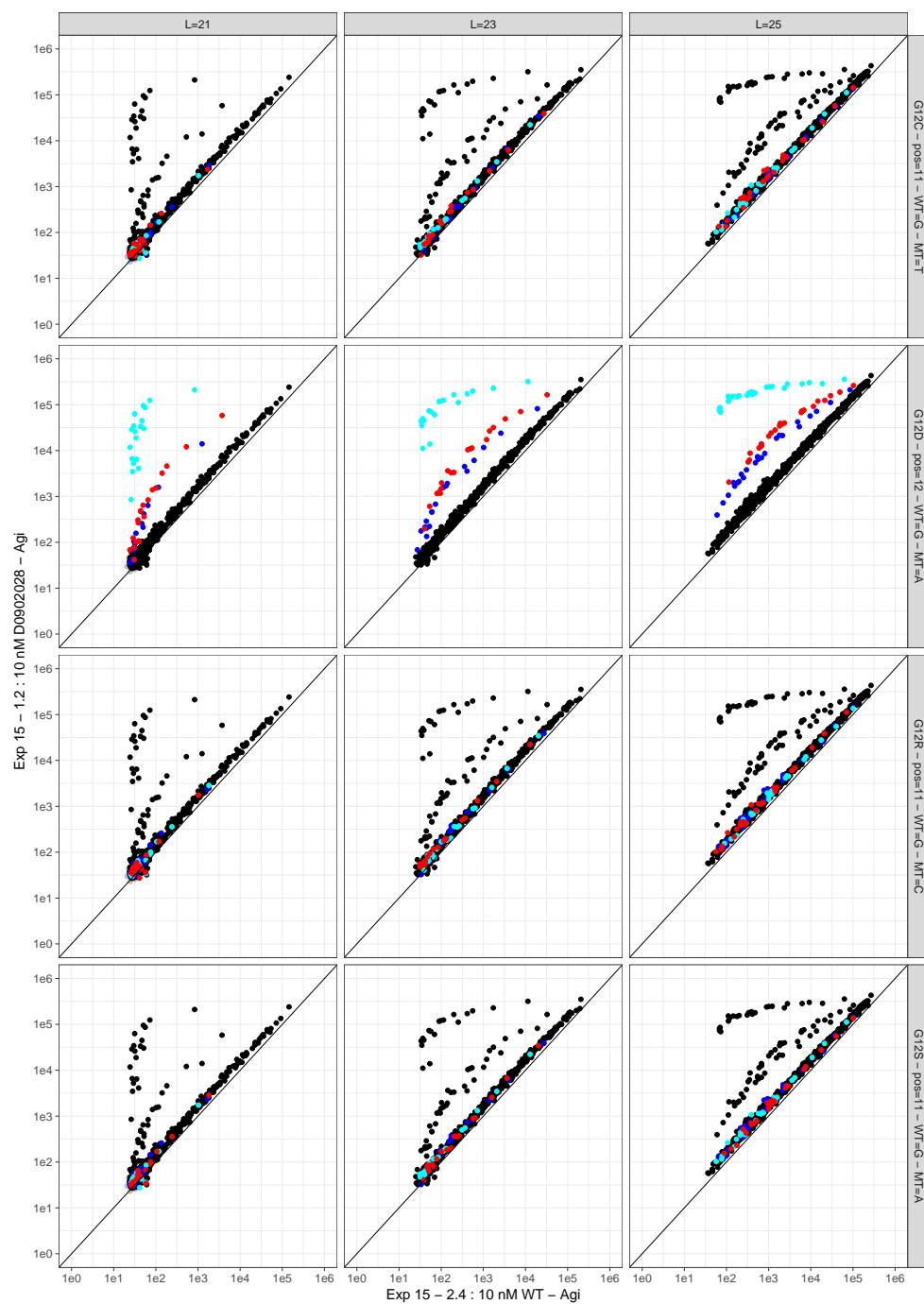
Experiment 20, G13D

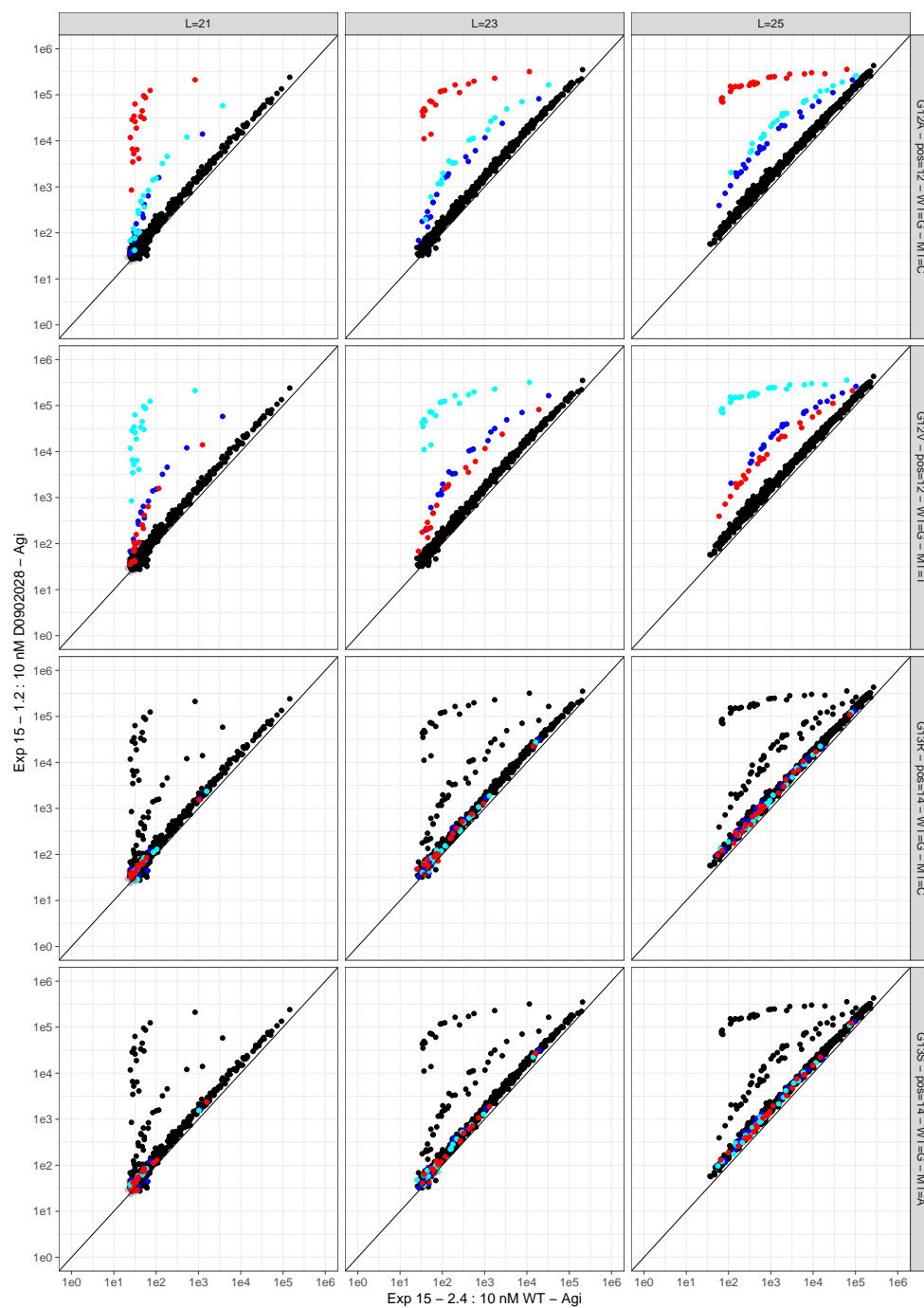


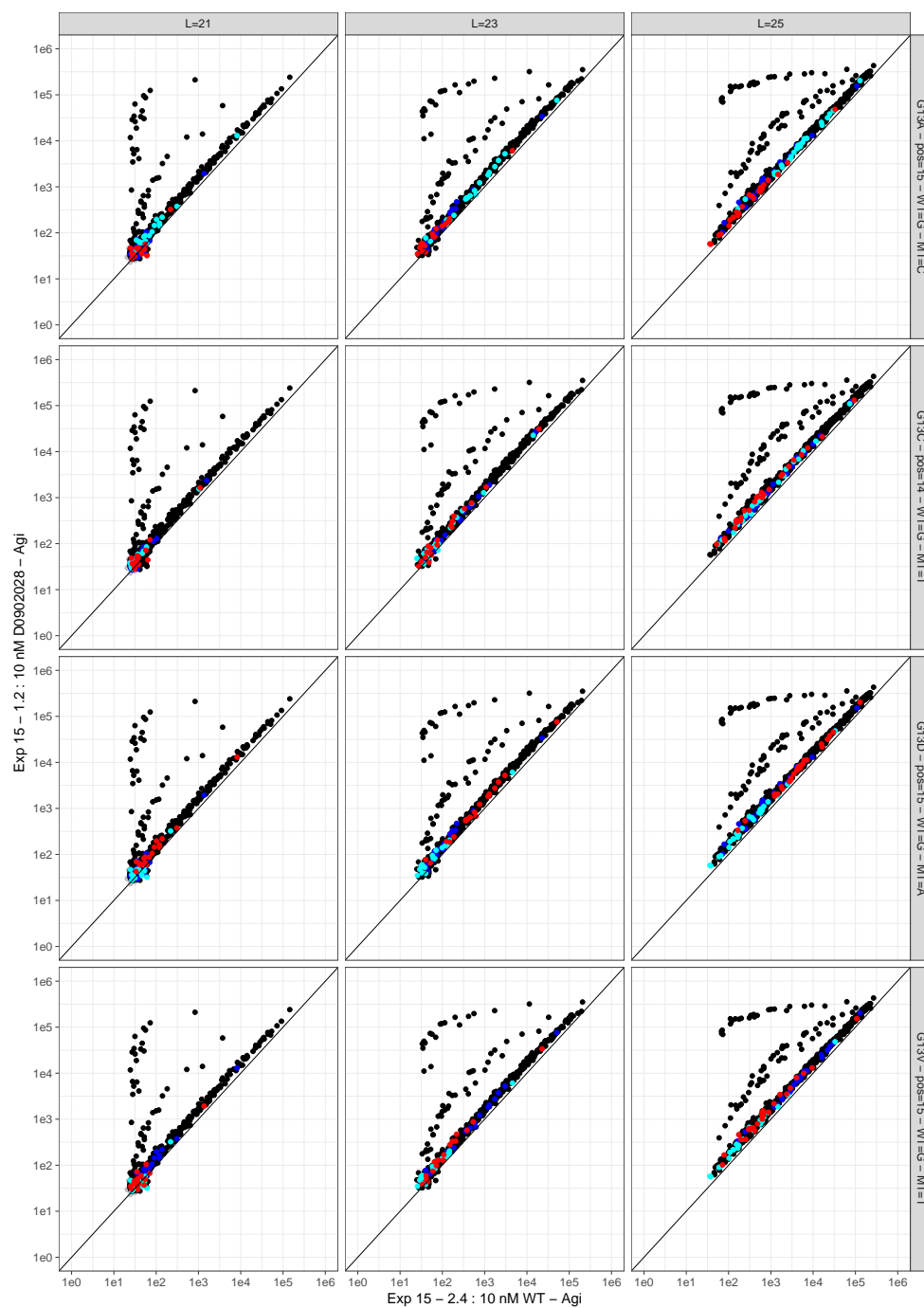




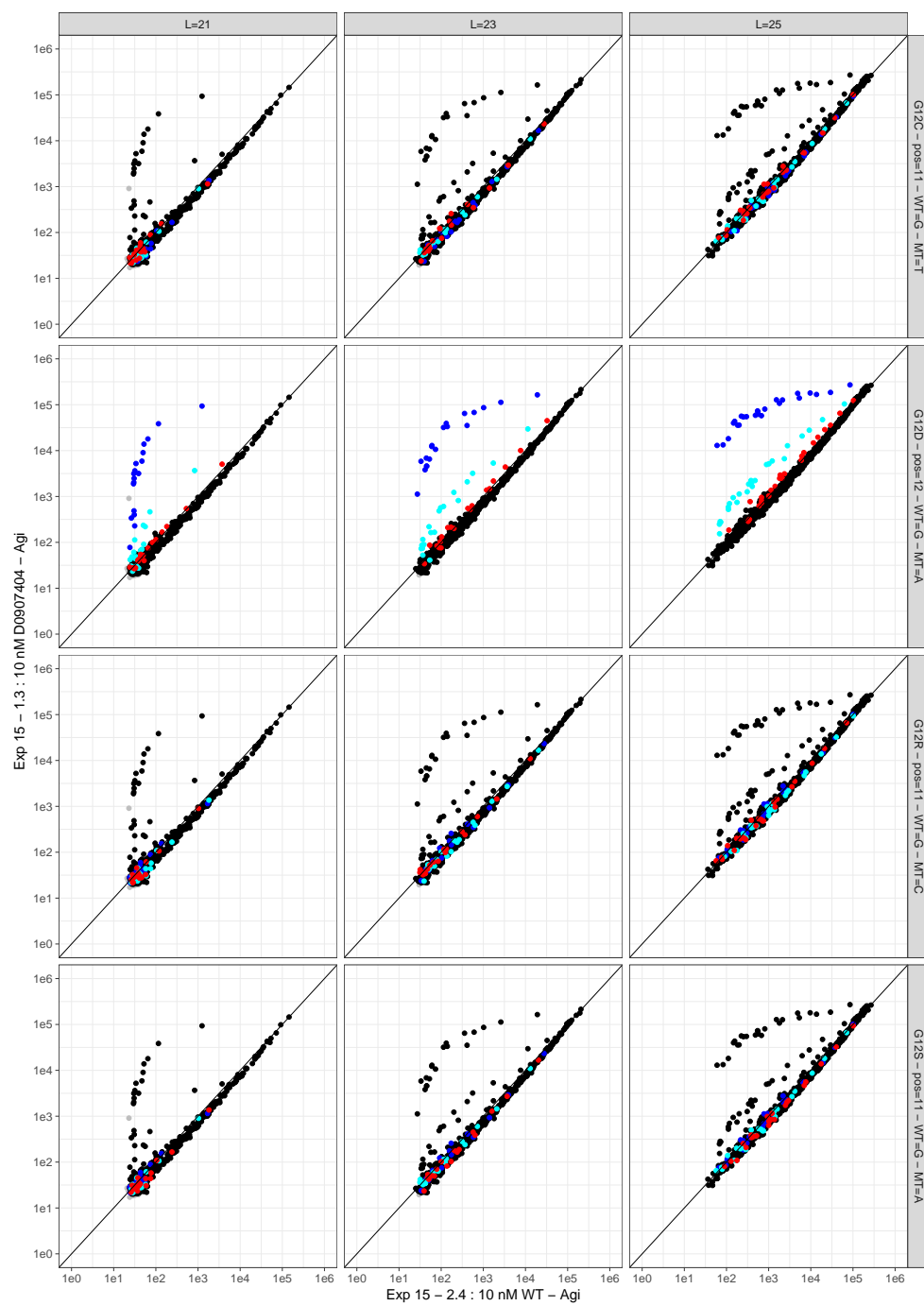
Experiment 21, G12A

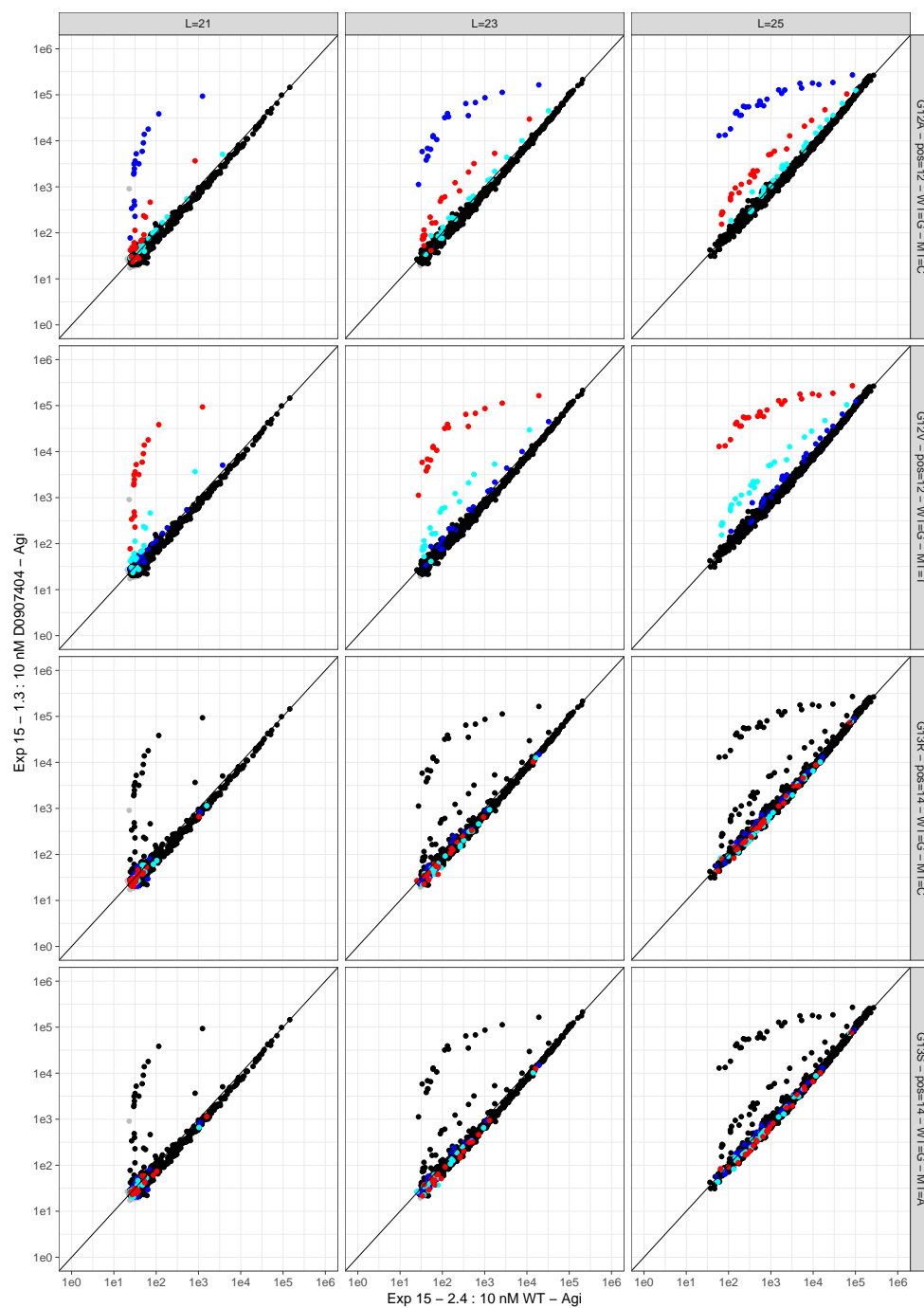


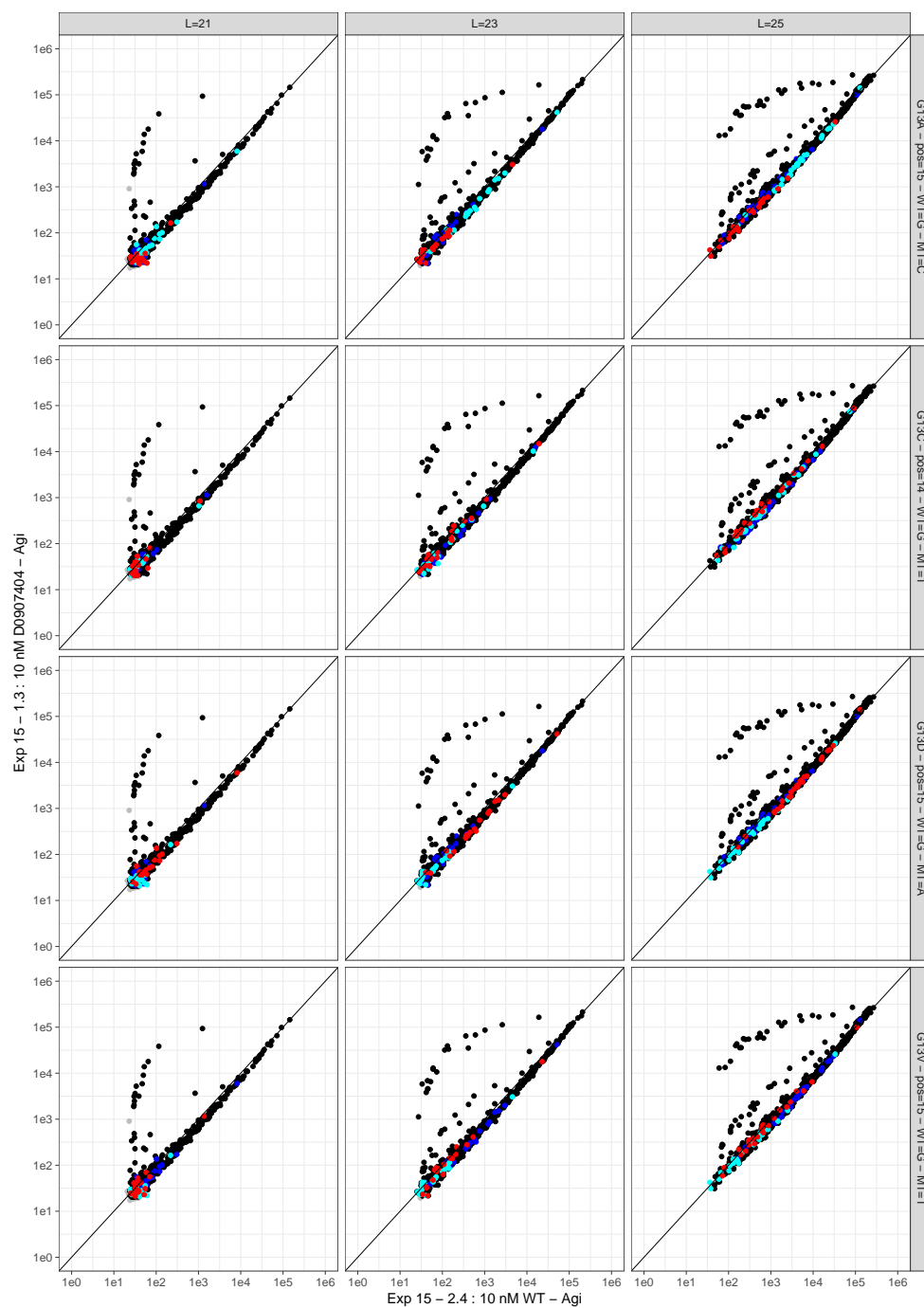




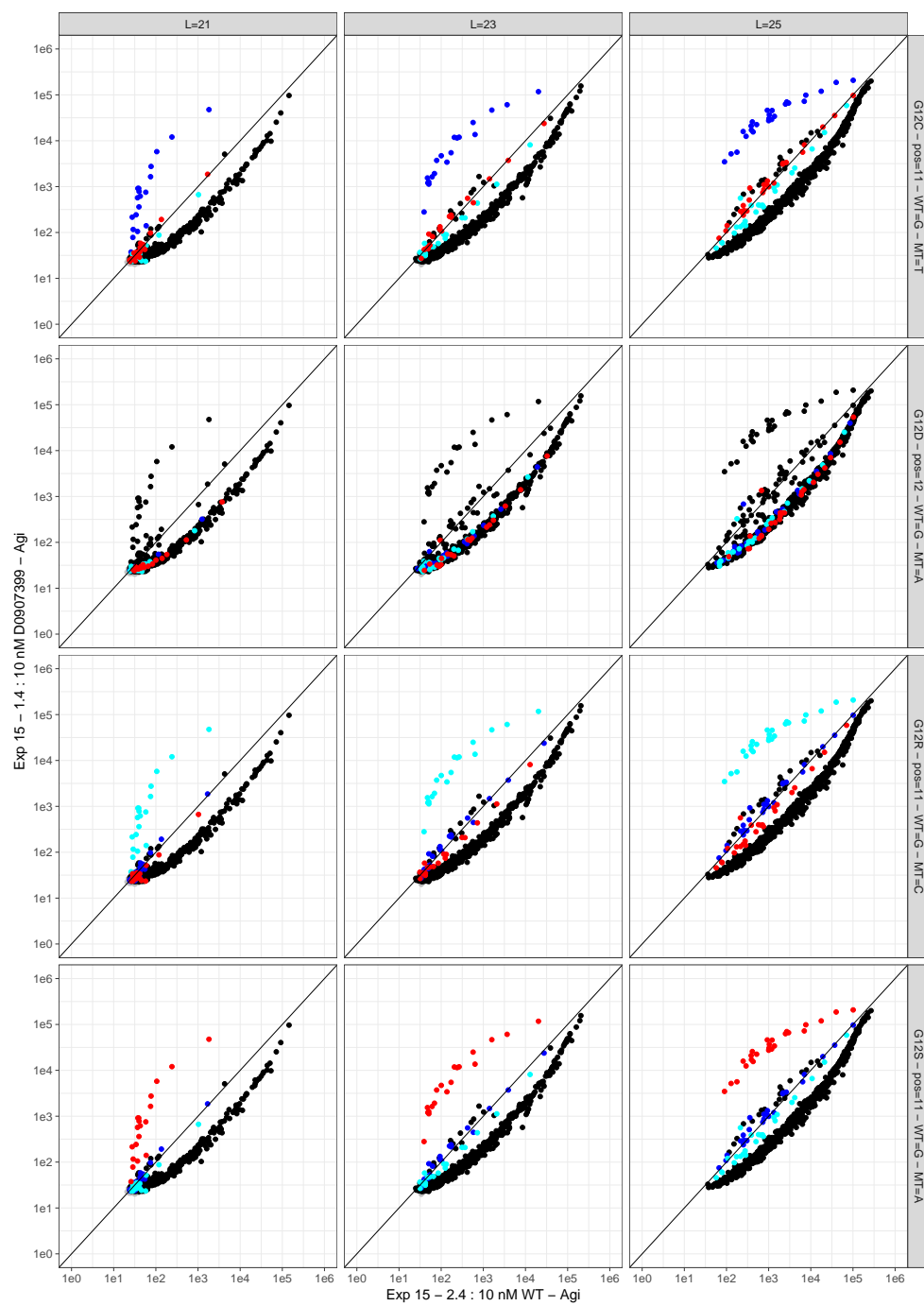
Experiment 22, G12V

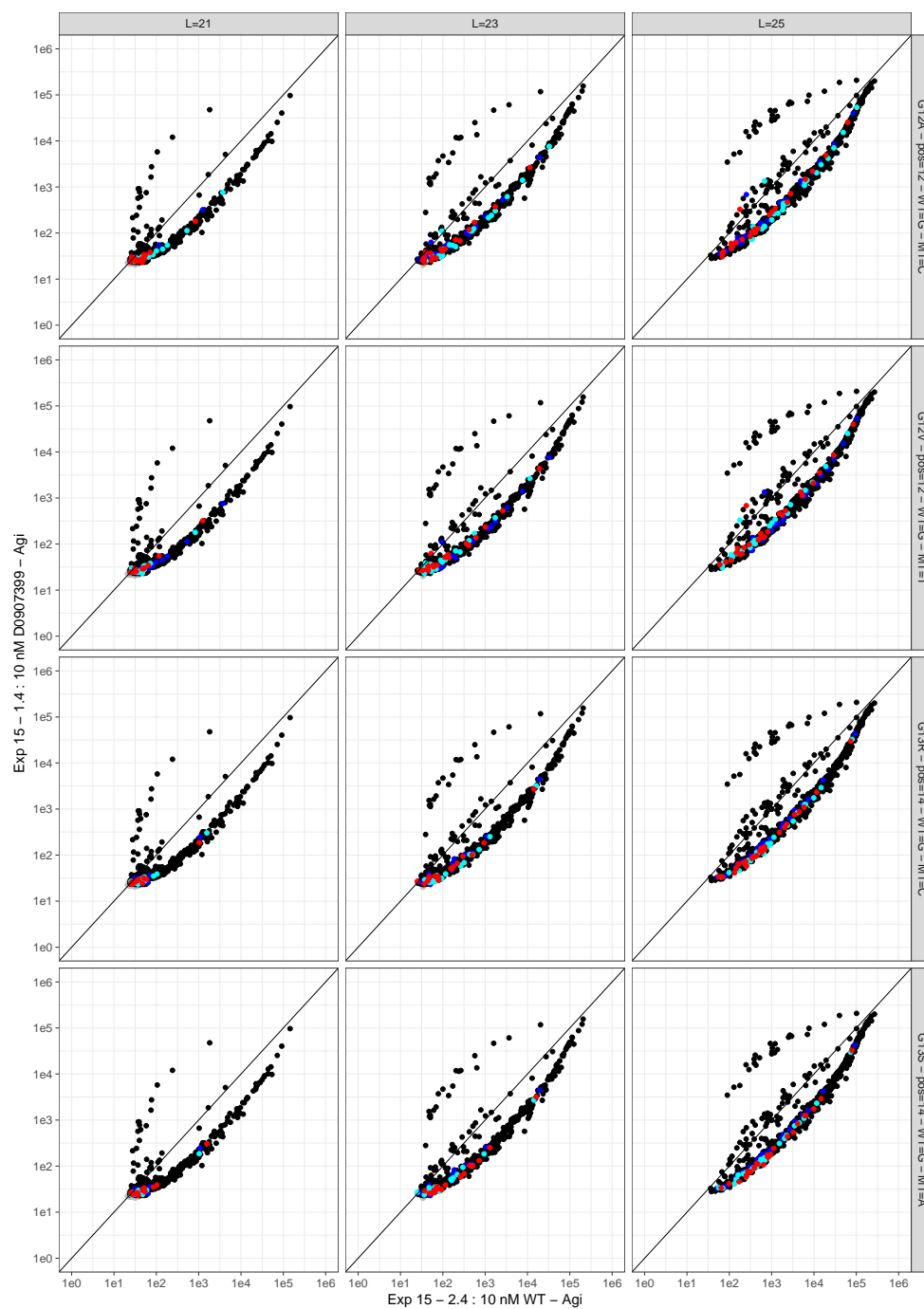


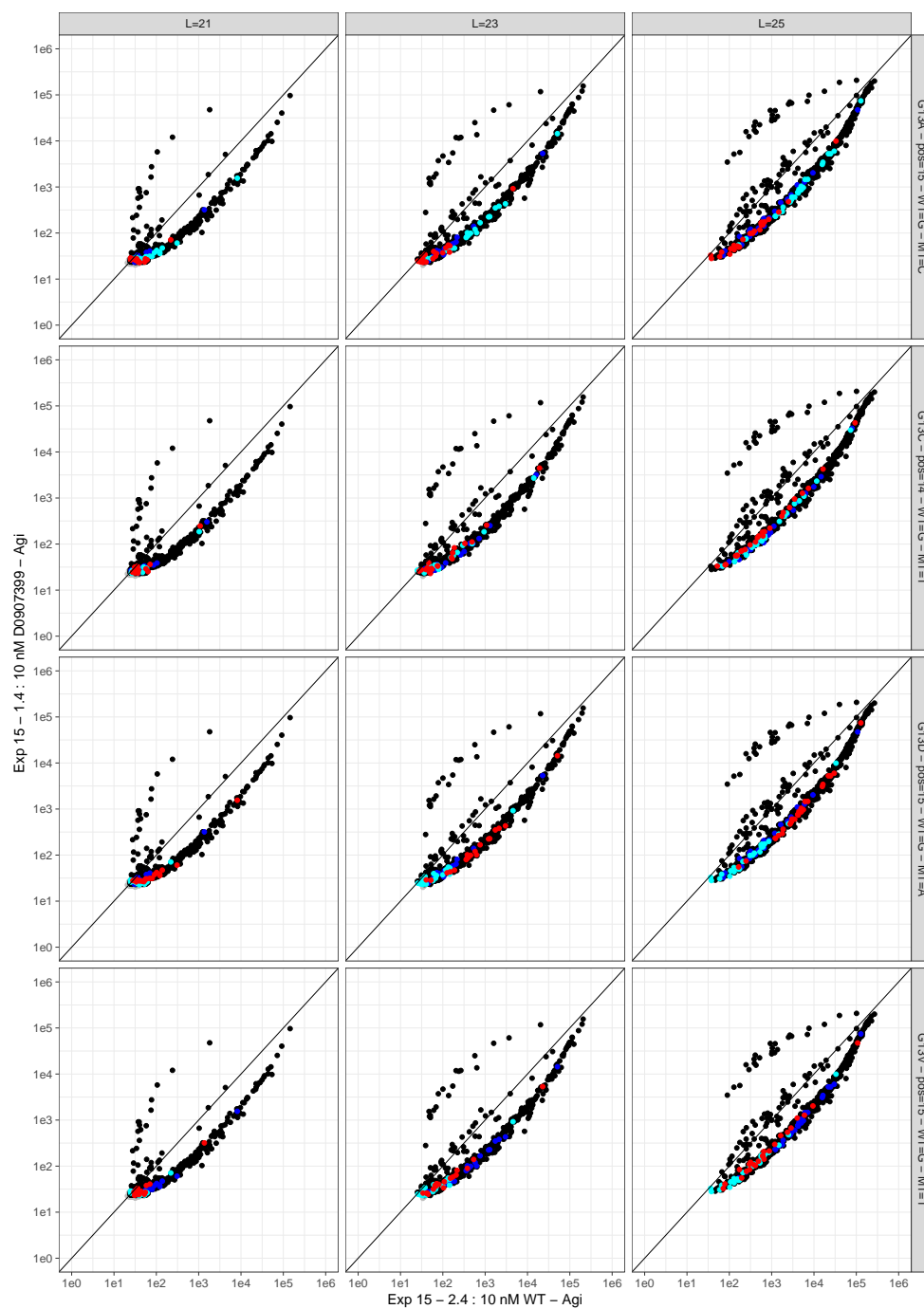




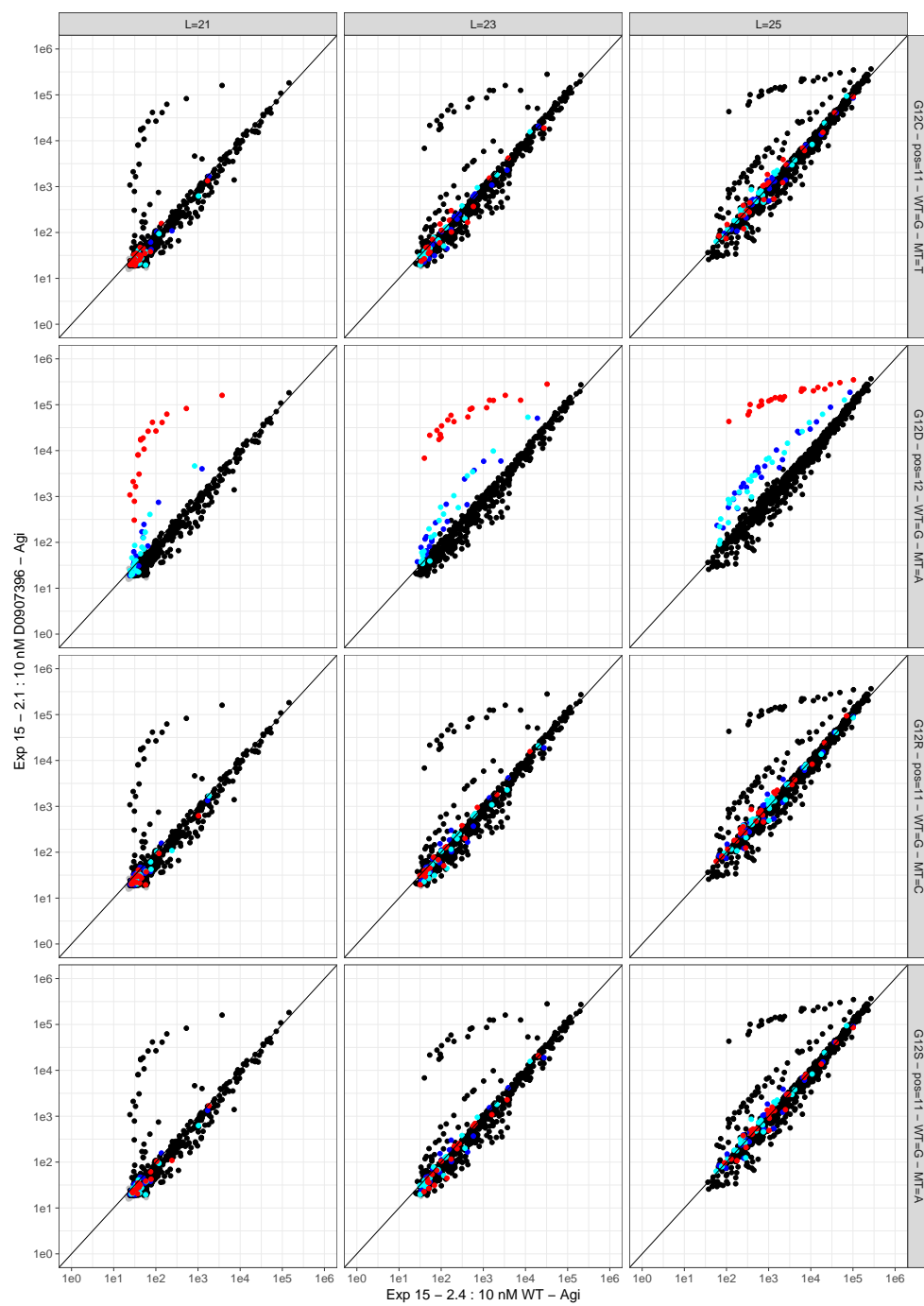
Experiment 23, G12S

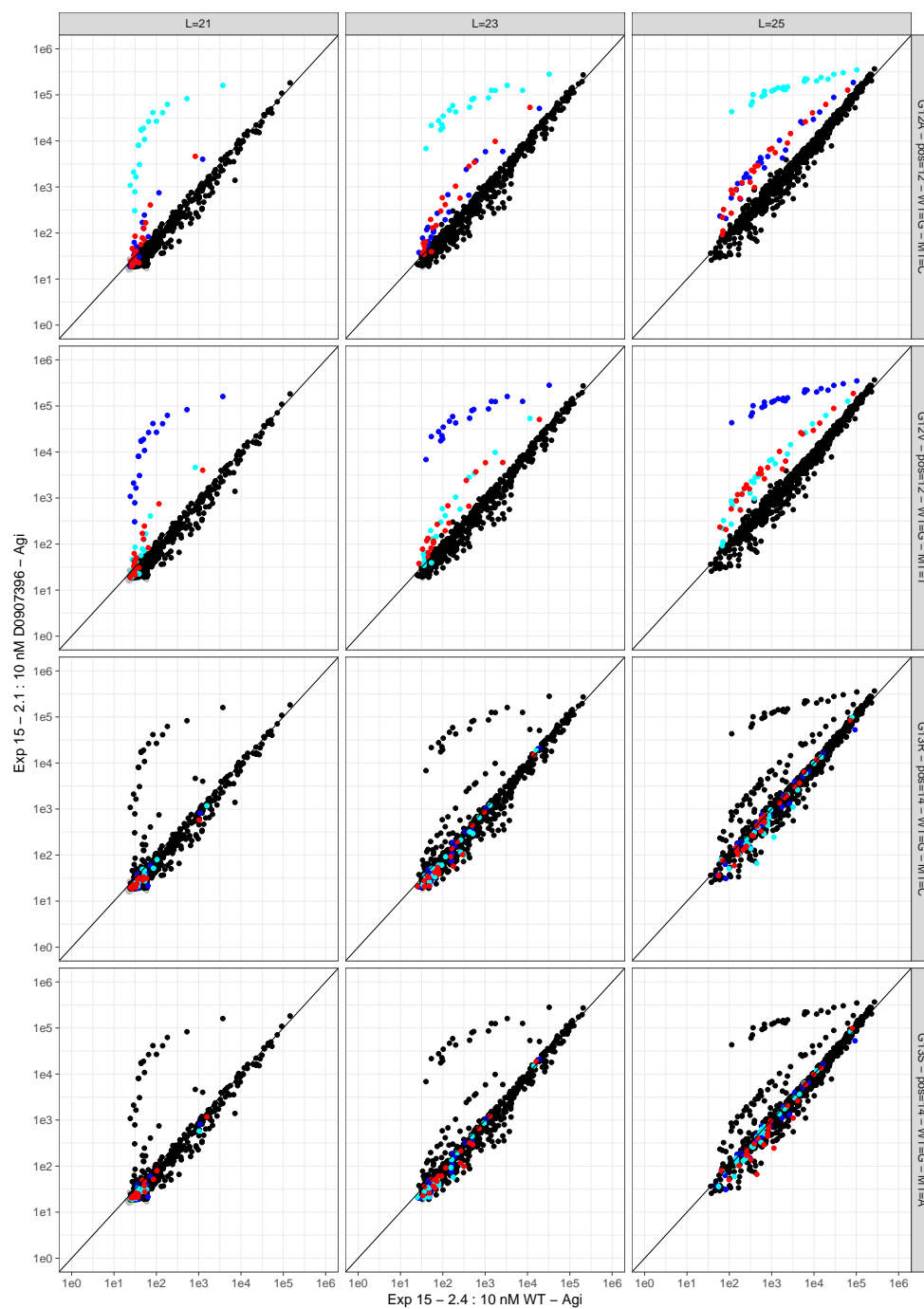


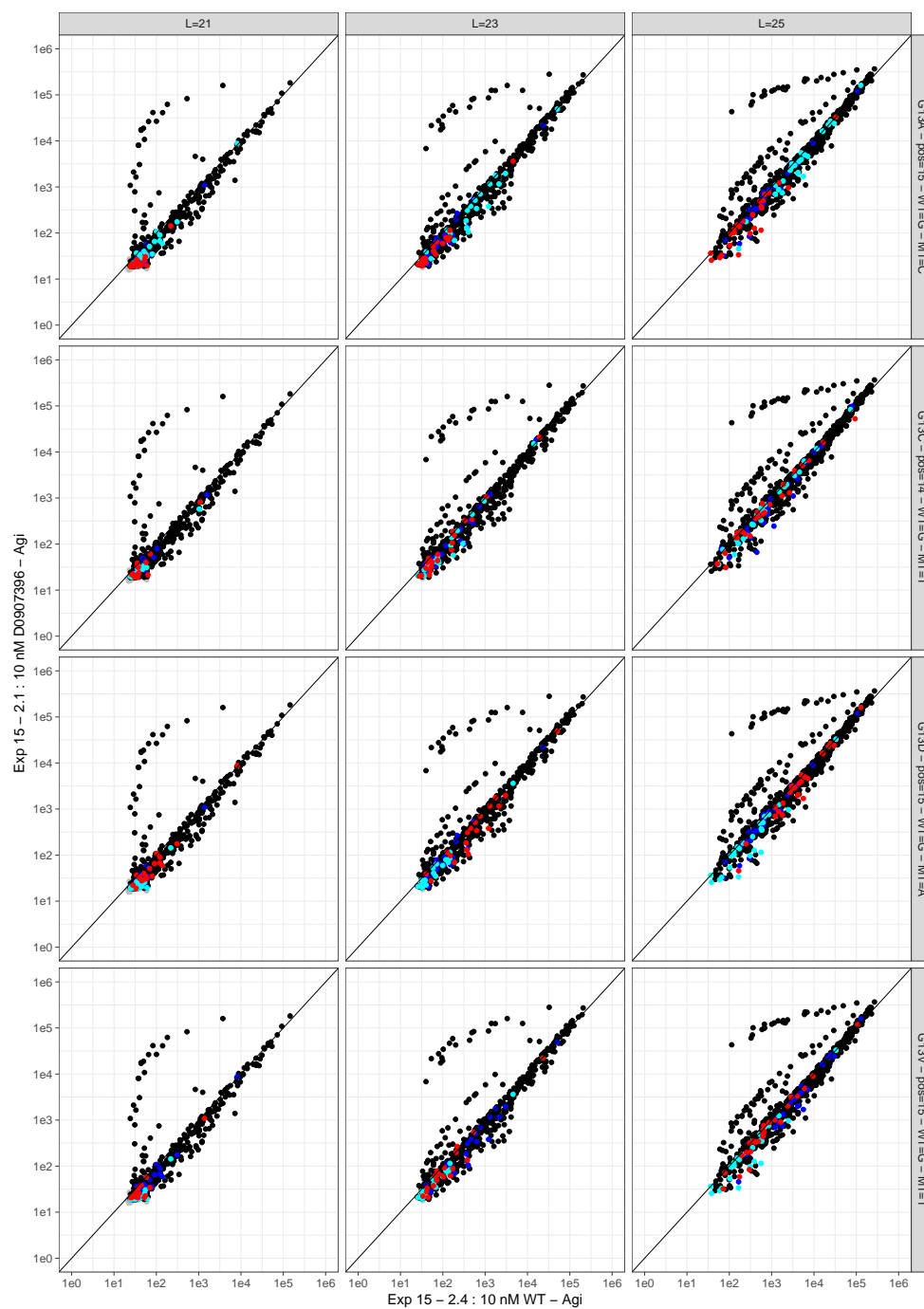




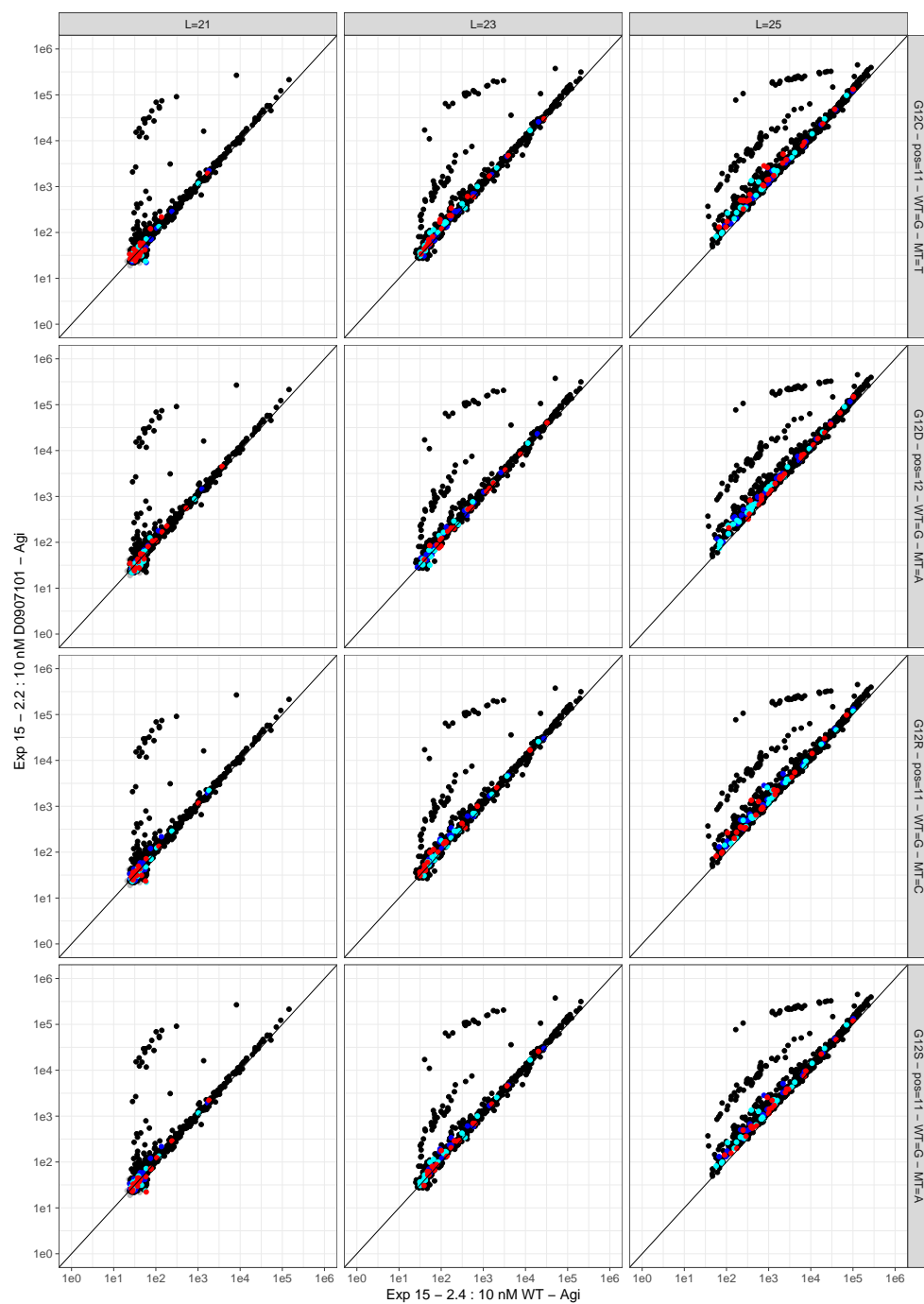
Experiment 24, G12D

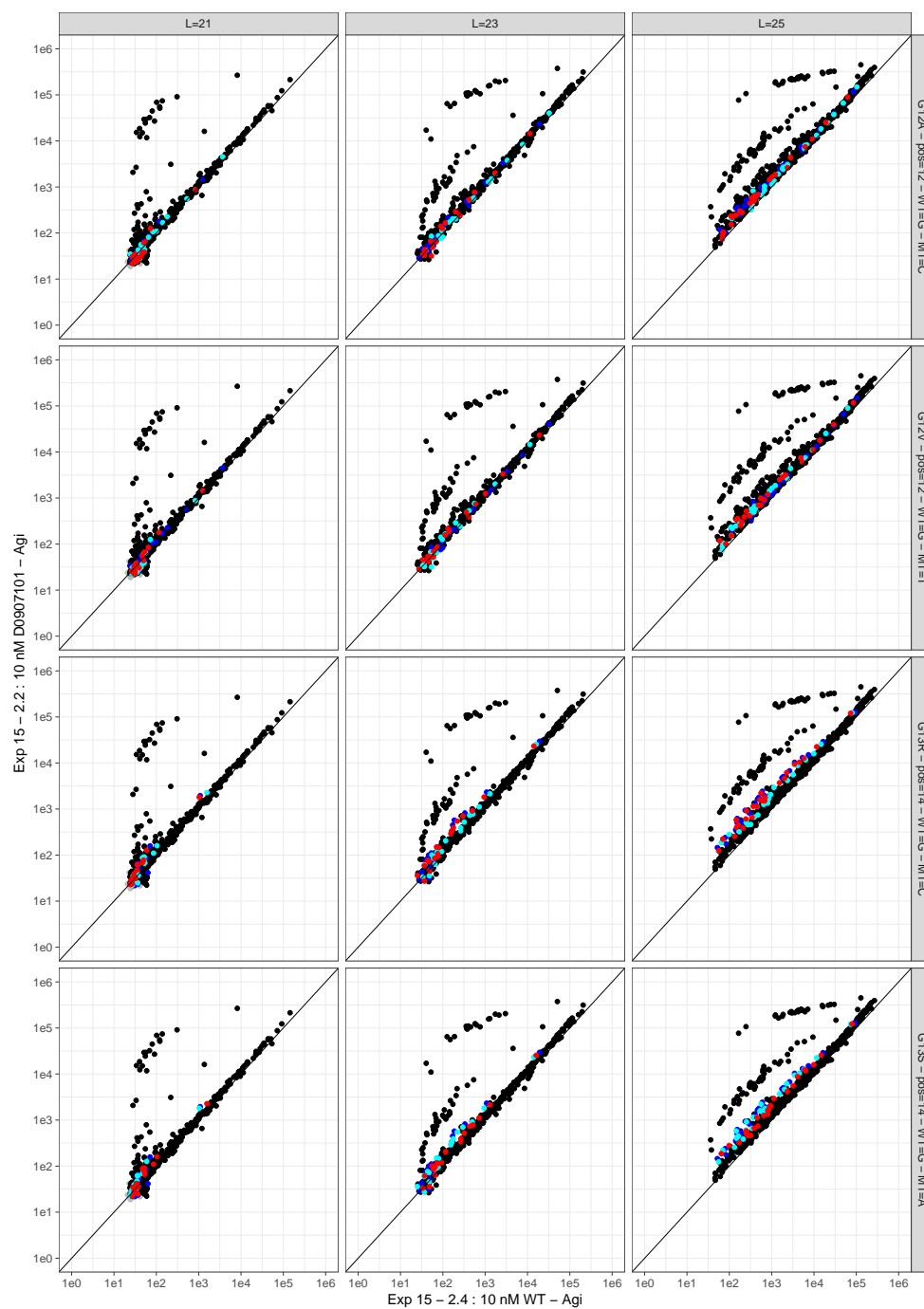


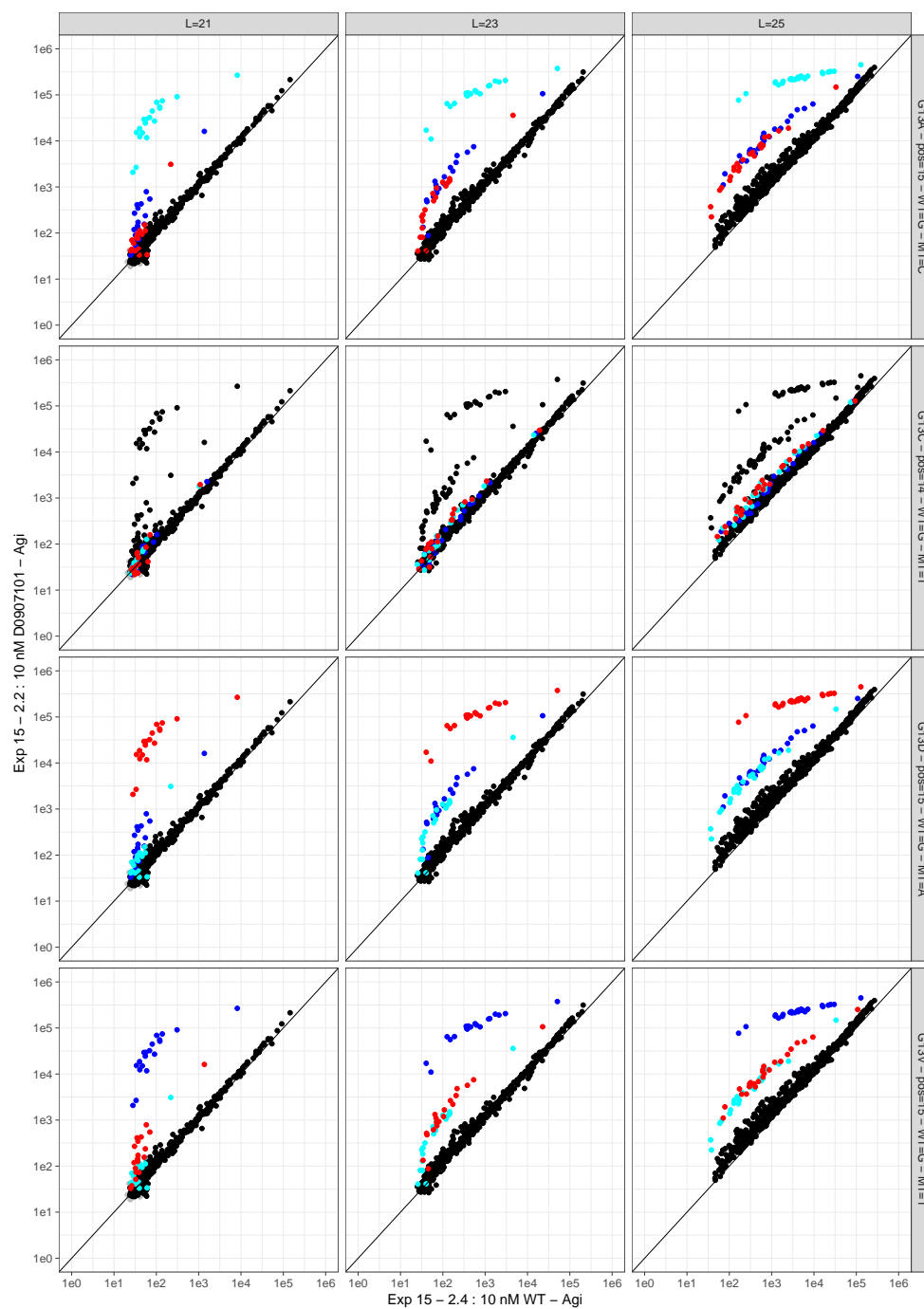




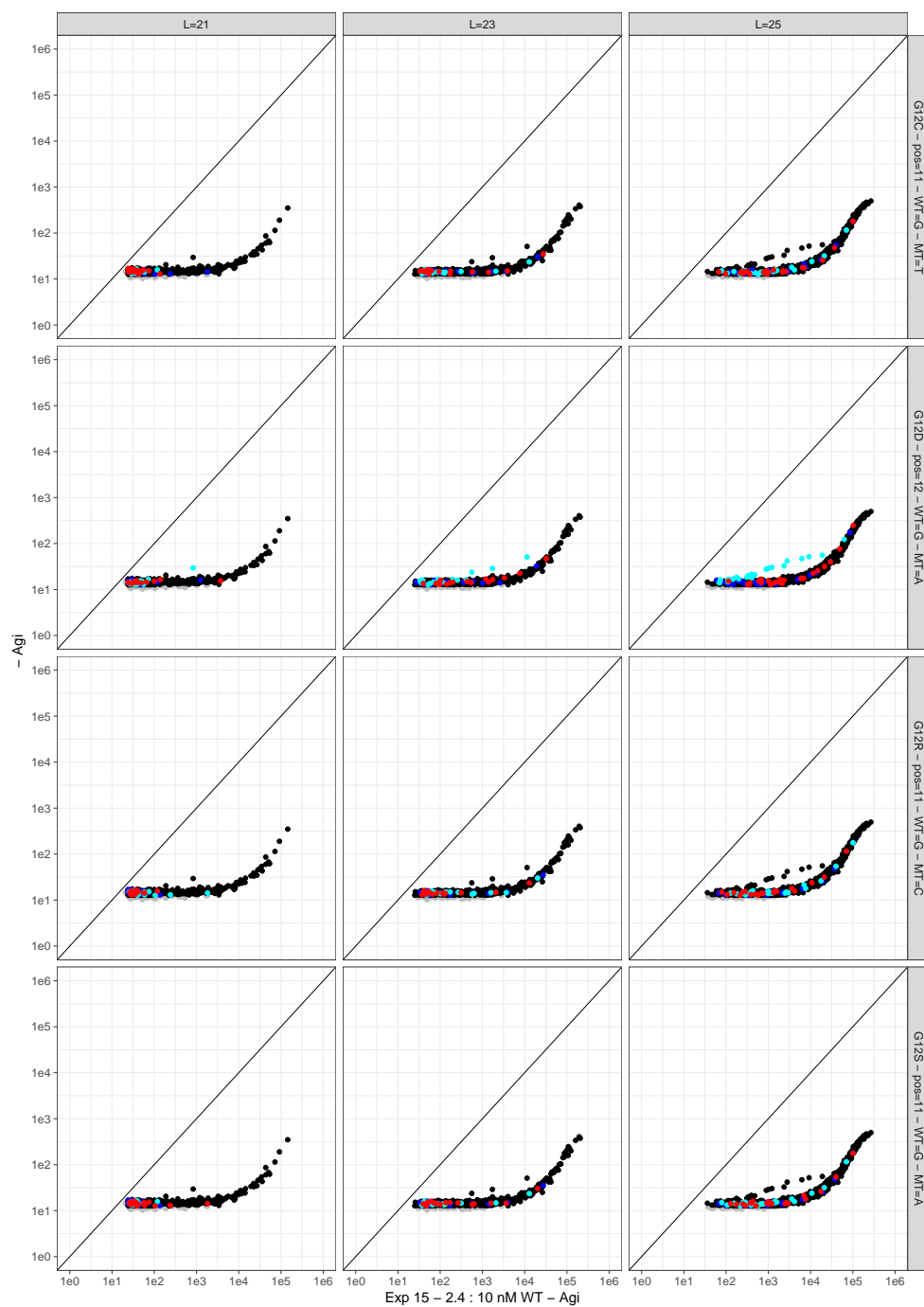
Experiment 25, G13D

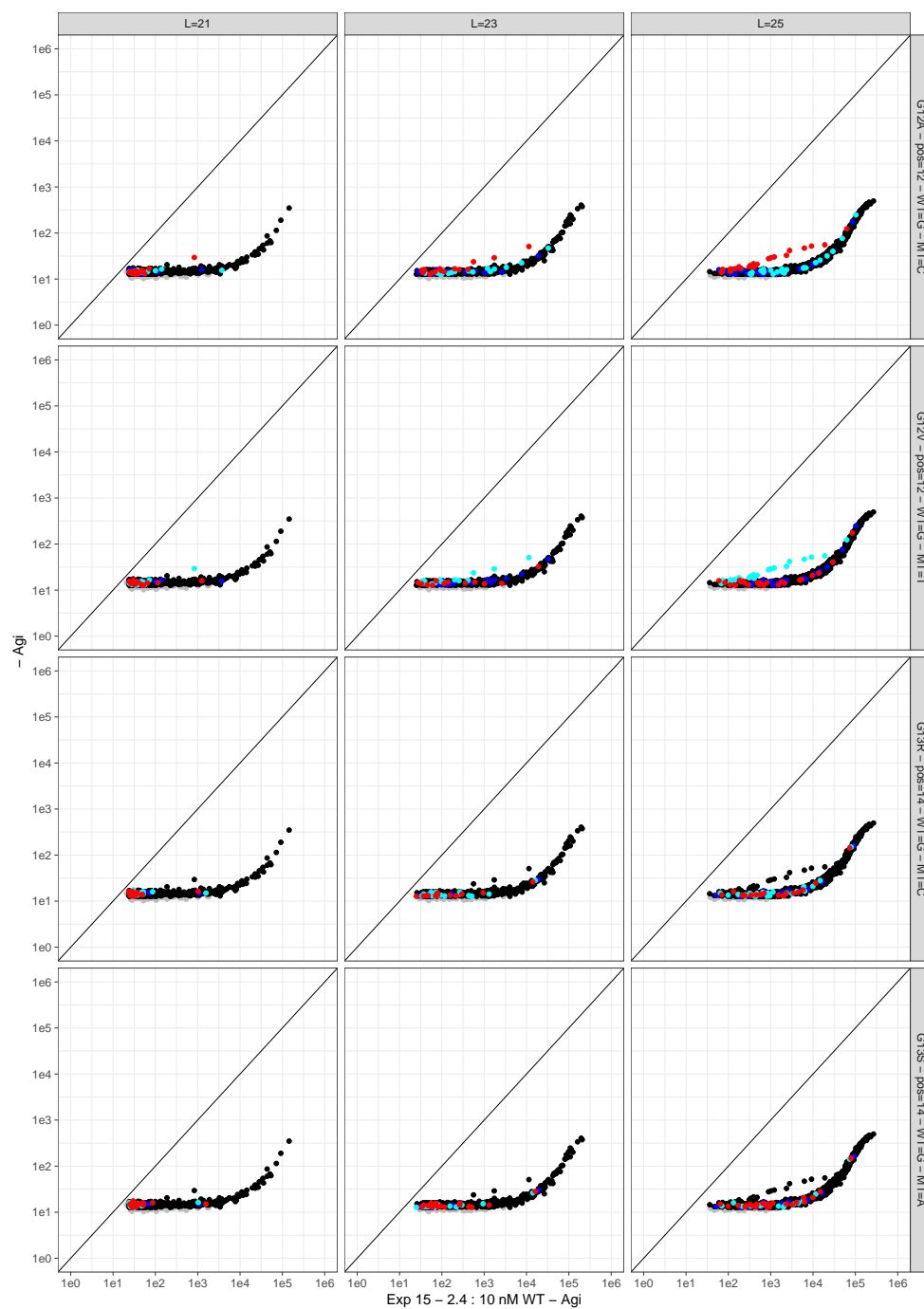


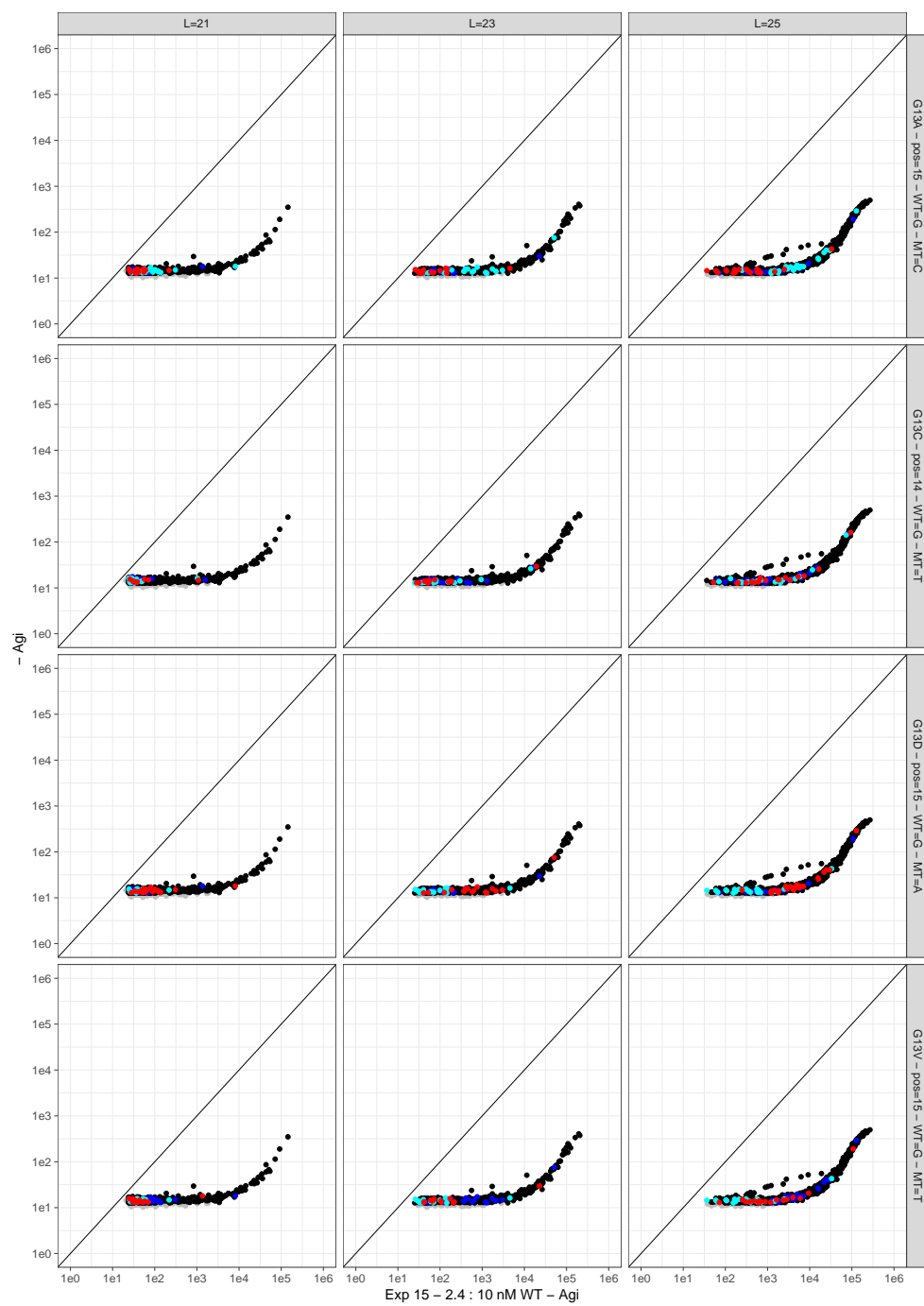




Experiment 26, G12V







Experiment 27, WT

