



**Supporting Figure 5. Host cell reactivation in human cell lines of the specified nucleotide excision repair complementation groups (CS-A, CS-B, XP-C and XP-A) and in the repair proficient cell line (MRC-5).** The expression constructs contained synthetic oligonucleotides with a unique dG( $N^2$ )-AAF (amber colors) or dG (blue colors) in the specified DNA strand. Dot density plots obtained in a representative experiment and the corresponding overlaid fluorescence distribution plots. Extended data for the experiment shown in Figure 3.