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Supporting information for article:

Effects of self-seeding and crystal post-selection on the quality of Monte Carlo-integrated SFX data

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Supporting information

Figure S1 Plot of CC_{all} (horizontal axis) vs. CC_{weak} from SHELXD substructure searches in self-seeded (red) and SASE (black) data for *(a)* 10,000, *(b)* 20,000, *(c)* 30,000 and *(d)* 40,000 images.

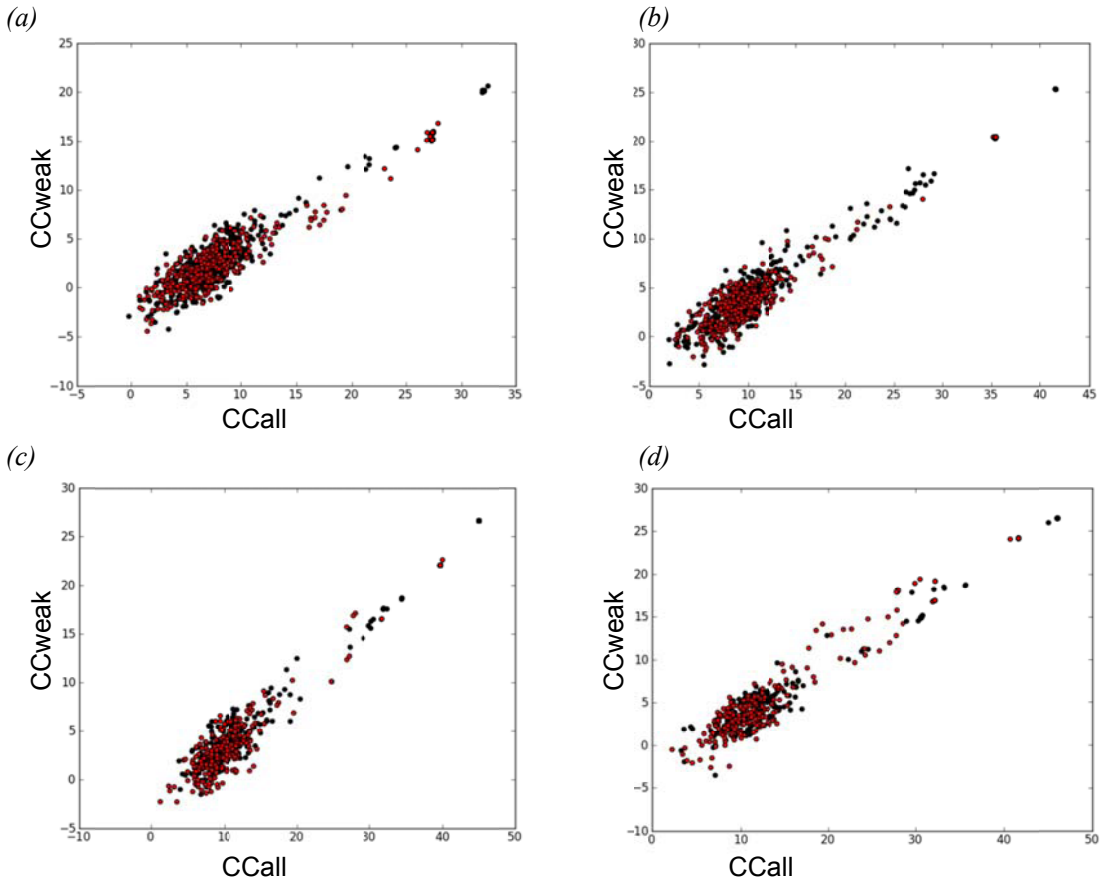

Figure S2 Plot of CC_{all} vs. CC_{weak} for the substructure searches with images from the D and A spectral classes (blue and green data points, respectively) as well as for a search with a combination of both data sets (red data points).

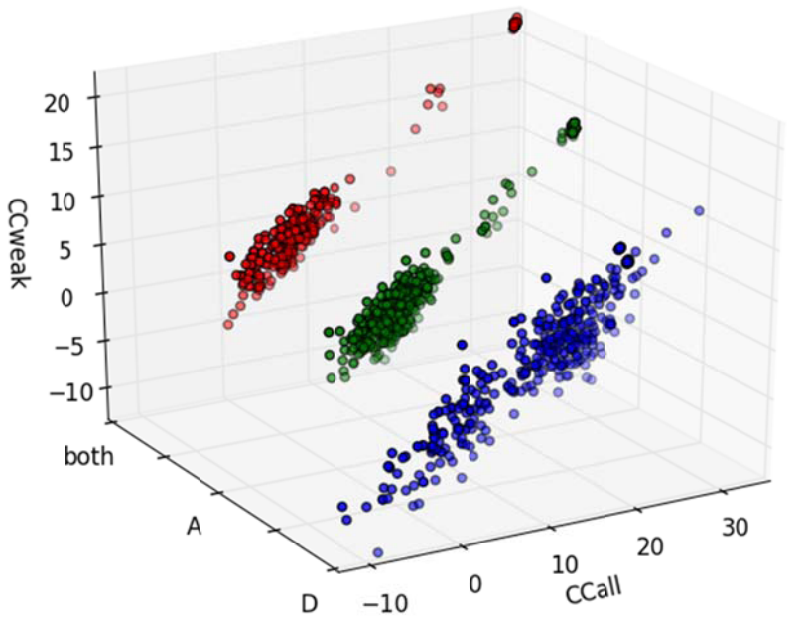

Figure S3 Results of substructure searches using 10,000 indexed images with (green data points) and without (blue data points) removal of poorly correlating images.