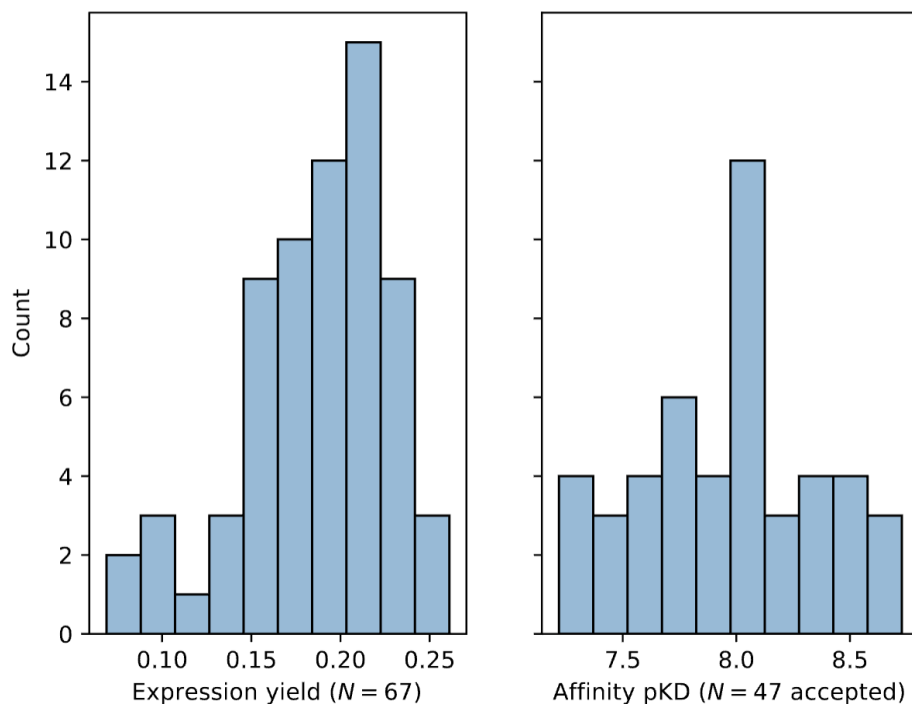


### Walk-Jump ERBB2 experimental results



**Supplementary PDF Figure 1.** Expression yield (mg) and binding affinity (pKD) of sequence designs from our method targeting the ERBB2 antigen.

Table 1: Top 10 strongest binding Trastuzumab CDR H3 redesigns from discrete Walk-Jump sampling.

	CDR H3 sequence	Affinity pKD
0	RWNSYGFYAFDYW	8.728158
1	RWYQFGFYVFVYW	8.673664
2	RYGNAGMYAFLYW	8.602060
3	RYGLAGFYAFVYW	8.442492
4	RYLGVGMYTFLYW	8.436519
5	RYGVAAFYAYLYW	8.432974
6	RYSDYGFYAFLYW	8.430626
7	RWGHYGFYAYLYW	8.388277
8	RWAQSGFYTFLYW	8.374687
9	RFLGAAFYAFTYW	8.369572