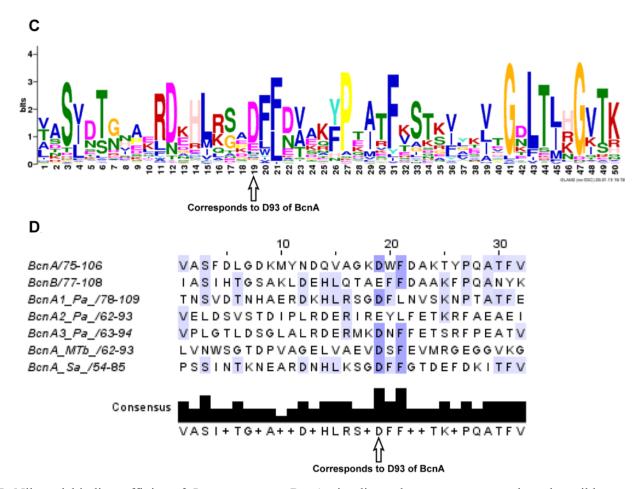


В

One site - Specific binding	WT	D93A	D82A	D82A D93A
K <sub>D</sub> ±SE, μM	0.6998	0.4001	0.2487	0.2354
	±0.1786	±0.1288	±0.06661	±0.1256
r <sup>2</sup>	0.9291	0.8755	0.9198	0.7502



**Fig. S5.** Nile red binding affinity of B. cenocepacia BcnA site-directed mutants compared to the wild type, n=4, 2 independent experiments; the smooth lines show the non-linear least square regression analysis of the binding isotherms;

one-way ANOVA (with overall p<0.001) Dunn's Multiple Comparison Test (A-B). (C) Consensus motif of BCN family of proteins. (D) Sequence alignment and consensus motif of BCN homologues used in this study.