

Fig S1. Specificity of anti-NAP antibodies against each of the NAPs.



Figure S2. Intracellular steady state level of NAPs in an NTHI biofilm.



Figure S3. Ferroxidase activity of recombinant NTHI Dps.



Figure S4. EMSA of NTHI Dps, NTHI IHF and *E. coli* IHF with Holliday junction (HJ) DNA substrate.

Ruler 1	
Consensus	Ms
H. influenzae 86-028NP A. tumefaciens F2 H. pylori ATCC 700392 B. anthracis Dip-2 B. anthracis Dip-1 L. innocua ATCC BAA-680	MS K TSIGLDKVQSAELADKLNELLATYQVFYTNVRGYHWNIKGVNFFALHAKFEEIYTNLVARVDEVAERILTLGYT MKTHK
Sequence Logo	ĨIJĸŢĄĸĿĸĸĸĸŦŊĿĿŸŢĸŊġċġĸĸŧŧŢĸĔĸĹŊġſŸĄġĸġŸĿĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸ
Ruler 1	
Consensus	P L x T I k E y L x x x s v K E x p y x e t a x d x I x e L x x d Y x x L x x E I K x g i e x A x e A G D x x T A D x L x A x s x x L x K h x WM L x A f L q
H. influenzae 86-028NP A. tumefaciens F2 H. pylori ATCC 700392 B. anthracis Dip-2 B. anthracis Dip-1 L. innocua ATCC BAA-680 E. coli K12	PNNAYSQYLKISRIKEDIAV SEAQECLSGTLQGLKTLLDQQREILAFANNANDEGTASQMSDYIKEQEKLVWMFQAACQTCH - N ALGSLQSVSSTTKLKAYPTDI - YKIHDHLDELIARYGDVANMIRKAIDDSDEAGDPTTADIFTAASRDLDKSLWFLEAHVQEK S PLVTLSEAIKLTRVKEETKTS - FHSKDIFKEILEDYKYLEKEFKELSNTAEKEGDKVTVYADDQLAKLQKSIWMLQAHLA PLATMKEYLATSSVNEGTSK ESAEEMVQTLVNDYSALIQELKEGMEVAGEAGDATSADMLLAIHTTLEOHVWMLSAFLK PVATMKEYLEISSIQEAAYG - ETAEGMVEAIMKOYEMMLVELKKGMEIAQNSDDEMTSDLLLGIYTELEKHAWMLRAFLNQ PFSTLKEFLENASVEEAPYTKPKTMDQLMEDLVGTLELLRDEYKGGIELTMEGGDEVTNDMLIAFKASIDKHIWMFKAFLGKAPLE ALGTTQVINSKTPLKSYPLDI - HNVQDHLKELADRYAIVANDVRKAI GEAKDDDTADILTAASRDLDKFLWFIESNIE
Sequence Logo	AND

Figure S5. Primary structure alignment of Dps proteins.