

Table S1. Computed pKa values of the surface exposed lysine residues in *Ld*NDT using the H++ server (<http://biophysics.cs.vt.edu/H++>).

N-Terminus	pKa, int*	pKa**
<i>Ld</i> NDT	7.101	6.602
Lys (#)	pKa, int*	pKa**
3	10.920	11.682
19	9.871	> 12.000
22	10.102	11.706
29	10.298	11.760
48	10.024	11.201
62	9.797	11.002
77	> 12.000	> 12.000
135	9.785	11.134
140	10.300	> 12.000
146	11.390	> 12.000

*pKa, int: computed pKa of a group assuming that there is not interaction with any other titratable group in the protein. **It corresponds to the mid-point of a titration curve (pKa $\frac{1}{2}$)