

**Table S3. Charge and molecular weight of ADOs used in the present study.**

	Charge at pH 8.8	Molecular weight (kDa)
<i>Te</i> ADO	−12.6	27.3
7421ADO	−14.8	27.5
73102ADO	−18.1	27.4
9443ADO	−18.5	27.4
6803ADO	−18.7	27.3
<i>Pa</i> ADO	−19.0	27.2
9313ADO	−19.9	28.3
7942ADO	−19.9	27.5
7336ADO	−20.9	26.5
7425ADO	−21.7	27.5

Charge at pH 8.8 and molecular weight of ADOs with a C-terminal His-tag were calculated by the Protein Calculator v3.4 (<http://protcalc.sourceforge.net/>).