

**Table S1. Protein Crystal structures with sulfenyl amide deposited in Protein Data Bank.**

<b>UniProt</b>	<b>UniProt Name</b>	<b>PDBid</b>	<b>Chain</b>	<b>Residue</b>
P18031	Protein-tyrosine phosphatase 1B	1oes	A	215
P18031	Protein-tyrosine phosphatase 1B	1oem	X	215
P18031	Protein-tyrosine phosphatase 1B	3sme	A	215
O53512	Phospho-2-dehydro-3-deoxyheptonate aldolase AroG	3nue	A	440