DmTrxR-GCCG (473) RLAITKRSGLDPTPA - **Gly**-Cys-Cys-**Gly**

DmTrxR-SCCG (473) RLAITKRSGLDPTPA - **Ser**-Cys-Cys-**Gly**

DmTrxR-GCCS (473) RLAITKRSGLDPTPA - **Gly**-Cys-Cys-**Ser**

(=wild-type)

DmTrxR-SCCS (473) RLAITKRSGLDPTPA - **Ser**-Cys-Cys-**Ser**

DmTrxR-GC*U*G (473) RLAITKRSGLDPTPA - **Gly**-Cys-*Sec*-**Gly**

DmTrxR-SC*U*G (473) RLAITKRSGLDPTPA - **Ser**-Cys-*Sec*-**Gly**

DmTrxR-GC*U*S (473) RLAITKRSGLDPTPA - **Gly**-Cys-*Sec*-**Ser**

DmTrxR-SC*U*S (473) RLAITKRSGLDPTPA - **Ser**-Cys-*Sec*-**Ser**

DmTrxR-DCCG (473) RLAITKRSGLDPTPA - **Asp**-Cys-Cys-**Gly**

DmTrxR-GCCD (473) RLAITKRSGLDPTPA - **Gly**-Cys-Cys-**Asp**

DmTrxR-DCCD (473) RLAITKRSGLDPTPA - **Asp**-Cys-Cys-**Asp**