

**Table S3. List of internal standards used in targeted proteomic analysis of purified GFP–LacZ**

Type	Name	Sequence <sup>a</sup>	Label	Calculated m/z	
GGG-to-Gly	GFP2-Trp-G	DD <u>G</u> NY <u>K</u>	K_C13N15	711.2944	
	GFP3-Trp-G	DHMLLEFVTAA <u>G</u> ITHGMDELY <u>K</u>	K_C13N15	2590.2680	
	LacZ3-Trp-G	LS <u>G</u> QTIEVTSEYL <u>F</u> R	R_C13N15	1742.8959	
	LacZ7-Trp-G	VNWLGL <u>G</u> PQENYP <u>D</u> R	R_C13N15	1757.8606	
	GFP1-V8-G	<u>V</u> NGHKFSVSGE	V_C13N15	1160.5695	
	GFP2-V8-G	<u>G</u> NYKTRAE	R_C13N15	938.4690	
	GFP3-V8-G	FVTA <u>G</u> ITHGMD	V_C13N15	1219.5776	
	LacZ2-V8-G	<u>R</u> NHPSVLIWSL <u>G</u> NE	R_C13N15	1621.8445	
	LacZ7-V8-G	<u>R</u> VNWLGL <u>G</u> PQE	R_C13N15	1268.6746	
	LacZ8-V8-G	NGLRC <u>G</u> TRE	R_C13N15	1062.5109	
	LacZ9-V8-G	GFH <u>M</u> LIGGD	F_C13N15	890.3825	
	LacZ1-TrpV8-G	GVNSAFHLWC <u>N</u> GR	R_C13N15	1517.7066	
	LacZ4-TrpV8-G	S <u>A</u> GQLWLT <u>V</u> R	R_C13N15	1130.6317	
	LacZ5-TrpV8-G	<u>A</u> GHISAWQQ <u>W</u> R	R_C13N15	1339.6654	
	LacZ6-TrpV8-G	AVLITTAHAWQH <u>Q</u> G <u>K</u>	K_C13N15	1660.8918	
	GGG-to-Leu	GFP2-Trp-L	DD <u>L</u> NY <u>K</u>	K_C13N15	767.3570
		GFP3-Trp-L	DHMLLEFVTAA <u>L</u> ITHGMDELY <u>K</u>	K_C13N15	2646.3306
		LacZ3-Trp-L	LS <u>L</u> QTIEVTSEYL <u>F</u> R	R_C13N15	1798.9585
LacZ7-Trp-L		VNWLGL <u>L</u> PQENYP <u>D</u> R	R_C13N15	1813.9232	
GFP1-V8-L		<u>V</u> NLHKFSVSGE	V_C13N15	1216.6321	
GFP2-V8-L		<u>L</u> NYKTRAE	R_C13N15	994.5316	
GFP3-V8-L		FVTA <u>L</u> ITHGMD	V_C13N15	1275.6402	
LacZ2-V8-L		<u>R</u> NHPSVLIWSL <u>L</u> NE	R_C13N15	1677.9071	
LacZ7-V8-L		<u>R</u> VNWLGL <u>L</u> PQE	R_C13N15	1324.7372	
LacZ8-V8-L		NGLRC <u>L</u> TRE	R_C13N15	1118.5735	
LacZ9-V8-L		GFH <u>M</u> LIGGD	F_C13N15	946.4451	
LacZ1-TrpV8-L		GVNSAFHLWC <u>N</u> LR	R_C13N15	1573.7692	
LacZ4-TrpV8-L		S <u>A</u> LQLWLT <u>V</u> R	R_C13N15	1186.6943	
LacZ5-TrpV8-L		<u>A</u> LHISAWQQ <u>W</u> R	R_C13N15	1395.7280	
LacZ6-TrpV8-L		AVLITTAHAWQH <u>L</u> <u>K</u>	K_C13N15	1716.9544	

<sup>a</sup> Amino acid residues at the Gly (GGG) codon are shown in red. Stable isotopically labeled amino acids are underlined.