

CSR-SALAD

cofactor specificity reversal
structural analysis & library design

[Input](#)

[About](#)

Analysis Results for 4KUG

Residue	Type	Codon	AAs
ASP 31	Edge	RNC	ADGINSTV
ILE 32	Face	ANA	IKRT
PHE 36	Simple	WHC	FINSTY

Suggested library size: 192

The following residues should be targeted first for activity-recovery by site-saturation mutagenesis:

Medium priority:

LEU 7

ARG 30

ALA 88

ILE 94

ILE 98

Low priority:

GLU 86

Analysis Results for 4FBG

Residue	Type	Codon	AAs
SER 55	Bidentate	RSC	AGST
ASN 56	Pyrophosphate	ARC	NS
SER 78	Simple	RSC	AGST
GLU 80	Nonsimple	DMK	ADEKNSTY*

Suggested library size: 384

The following residues should be targeted first for activity-recovery by site-saturation mutagenesis:

Medium priority:

PHE 79
GLY 115
ASP 116
ALA 117
PHE 118
LEU 144
ALA 145
SER 146
VAL 148

Low priority:

THR 90
ASN 96
THR 112
ASP 114
ASP 116
ASP 205