Altered – 3 Substrate Specificity of , , , Signal Peptidase 1 Mutants as Revealed by Screening a Combinatorial Peptide Library*

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$\gamma \gamma $	V / / / / / / / / /	ין ייין אין	51,	ΥΎ

 $P_{i} = \dots = \dots = (i + i) + (i + i)$

I Escherichia coli, \ldots $(SP_{I}, I)^2$, \ldots \ldots 37_{1} D_(3). The second se

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EXPERIMENTAL PROCEDURES

Bacterial Strains and Plasmids
T. E. coli.
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DH5α

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SP_.
I. ...
...
E. coli

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SP_.
I. ...
...
F. coli

Dr.
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SP_.
I. ...
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RD8, ...

Dr.
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SP_.
I. ...
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RD8, ...

SP_.
I
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G 119HE
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Dr. A. ...
Kr...
Construction of Plasmids
T.
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SP_.
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Kr...
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SP_.
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Construction of Plasmids
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 $P2F \beta_{-} = (\bullet F_{-} 3D).$ $P2F \beta_{-} = 3G. \beta_{-} = 0$

 $(1.4.16 \text{ m}_{2} = 28,908 \text{ D}_{2}). \text{ T. } (2.32.4 \text{ D}_{2}). (2.32.4 \text{ D}_{2}). (2.32.4 \text{ D}_{2}). (2.32.4 \text{ D}_{2}). (2.34.3 \text{ D}_{2$

The SPase I144C/I86T Mutant Can Cleave Pre- β -lactamase Mutants with Non-canonical -3 Residues B _______ + 2 ______, ..., β_{-} _____ P_{1} -2 ______, β_{-} _____ P_{2} -2 ______, β_{-} _____ P_{2} -3 I _____, I144C/I86T SP _____ -3 A/_ P2F β_{-} _____ I _____, β_{-} _____ P_{2} -3 C. β_{-} _____ P_{2} -3 C. β_{-} _____ (F____3B), I SP _____ P_{2} -3 T. β_{-} ____ P_{2} -3 G. β_{-} ____ (F____3C). T. β_{-} _____ (F____3B), I

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DISCUSSION

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