

SEQUENCE LISTING

<110> LINDSAY, Stuart
ZHANG, Peiming

<120> DEVICE, SYSTEM AND METHOD FOR DIRECT ELECTRICAL MEASUREMENT OF
ENZYME ACTIVITY

<130> 1801240.121-W01

<140> PCT/US2019/032707

<141> 2019-05-16

<150> 62/812,312

<151> 2019-03-01

<150> 62/682,991

<151> 2018-06-10

<150> 62/673,080

<151> 2018-05-17

<160> 6

<170> PatentIn version 3.5

<210> 1

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide

<400> 1

Cys	His	Asn	Thr	Pro	Val	Tyr	Lys	Leu	Asp	Ile	Ser	Glu	Ala	Thr	Gln
1				5				10						15	

Val

<210> 2

<211> 12

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Cys Ala Leu Asp Arg Trp Glu Lys Ile Arg Leu Arg
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<210> 3

<211> 38

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<213> Artificial Sequence

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Met Gly Ser Ser His His His His His Ser Ser Gly Leu Val Pro
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Arg Gly Ser Gly Leu Asn Asp Ile Phe Glu Ala Gln Lys Ile Glu Trp
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His Glu Gly Ala Ser Ser
35

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<211> 15

<212> PRT

<213> Artificial Sequence

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Gly Leu Asn Asp Ile Phe Glu Ala Gln Lys Ile Glu Trp His Glu
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<211> 84

<212> PRT

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<223> Synthetic peptide

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Cys Gly Ser Ser His His His His His His Ser Ser Phe Thr Leu Ile
1 5 10 15

Glu Leu Leu Ile Val Val Ala Ile Ile Gly Ile Leu Ala Ala Ile Ala
20 25 30

Ile Pro Gln Phe Ser Ala Tyr Arg Val Lys Ala Tyr Asn Ser Ala Ala
35 40 45

Ser Ser Asp Arg Leu Asn Leu Lys Thr Ala Leu Glu Ser Ala Phe Ala
50 55 60

Asp Asp Gln Thr Tyr Pro Pro Glu Ser Gly Leu Val Pro Arg Gly Ser
65 70 75 80

Gly Ala Ser Ser

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<211> 64

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<223> Synthetic peptide

<400> 6

Ala Ala Phe Thr Leu Ile Glu Leu Leu Ile Val Val Ala Ile Ile Gly
1 5 10 15

Ile Leu Ala Ala Ile Ala Ile Pro Gln Phe Ser Ala Tyr Arg Val Lys
20 25 30

Ala Tyr Asn Ser Ala Ala Ser Ser Asp Arg Leu Asn Leu Lys Thr Ala
35 40 45

Leu Glu Ser Ala Phe Ala Asp Asp Gln Thr Tyr Pro Pro Glu Ser Cys
50 55 60