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創薬バイオマーカー探索研究事業

**重層的・定量的トキシコモディフィコム解析を用いた
安全性バイオマーカーの探索に関する研究**

平成21年度 総括研究報告書

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厚生労働科学研究費補助金（創薬バイオマーカー探索研究事業）
総括研究報告書

重層的・定量的トキシコモディフィコーム解析を用いた
安全性バイオマーカーの探索に関する研究

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研究要旨

SILAC法を用いた定量的プロテオーム解析によるトキシコモディフィコーム解析システムを試行した。モデル物質として、ダイオキシン受容体リガンドかつ、サイクリン依存性キナーゼ阻害剤でもあるインディルビンを用いた。その結果、変動したリン酸化蛋白質を7個同定した。また本システムの律速段階である、LC-MS/MSによる蛋白質同定・定量解析処理作業の自動化を進め、処理効率を大幅に向上させた。さらに、パスウェイ解析、ジーンオントロジー解析、学習型蛋白質機能推定解析を行い、試験物質が作用する蛋白質、シグナル経路、細胞内部位、細胞内機能を推定するための情報処理基盤を整備した。アセチル化リジンプロテオーム解析については、抗体を用いて修飾ペプチドの濃縮を行ったが、大規模解析に十分な濃縮結果が得られなかったため、代わりにユビキチン化プロテオーム解析を新たに立ち上げた。

A. 研究目的

毒性物質・薬剤の標的因子、作用メカニズムの解明のため、2次元ゲルや、安定同位体標識技術を用いたショットガン式定量技術を用いたプロテオーム解析が幅広く取り入れられている。既存研究の多くは蛋白質の“量”の変化を検出することに主眼が置いてきたが、“量”の変化はトランスクリプトーム解析でも検出可能な場合が多い一方で、“質”の変化、例えば分子標的薬の受容体拮抗によるリン酸化阻害のような、標的因子の“質”（翻訳後修飾）を変化させる例はプロテオーム解析のみ測定可能である。このような“質”の変化をプロテオームレベルで捉えて、毒性作用との関連を見いだすために、本研究ではシステイン酸化・ユビキチン化・リン酸化解析の3種類の蛋白質翻訳後修飾について、毒性物質の影響を定量する解析シ

ステムを構築し、毒性物質や薬剤によって変化する蛋白質の翻訳後修飾を同定し、システイン酸化・ユビキチン化・リン酸化の3枚の修飾変化マップを重ねた重層翻訳後修飾マップを作成し、安全性バイオマーカーや毒性シグナルネットワークを推定することを研究目的とする。本年度はトキシコモディフィコーム解析システムを試行することを目的として、具体的には以下の研究を遂行した。前年度までに確立した、安定同位体標識アミノ酸による培養細胞内蛋白質標識法（SILAC法：Stable Isotopic Labeling using Amino Acids in Cell Culture法）を用いたリン酸化プロテオーム、システイン酸化プロテオーム解析手法を用いて、ダイオキシン受容体リガンドかつ、サイクリン依存性キナーゼ阻害剤でもあるインディルビンがリン酸化、システイン酸化に与える影響を定量した。ま

たりジンアセチル化、ユビキチン化蛋白質の定量解析手法の検討、バイオインフォマティクス基盤整備も同時に行った。

B. 研究方法

リン酸化プロテオーム解析

[¹²C₆]アルギニンと[¹²C₆]リジンもしくは[¹³C₆]-アルギニンと[¹³C₆]-リジンで標識した SILAC-HepG2 細胞を用意した。一方にインディルビンを 1 μM、他方にコントロールとして DMSO をそれぞれ 10 分間曝露し、曝露後、等量混合した。変動したリン酸化ペプチド・蛋白質を検出するために、酸化チタンビーズ、チロシンリン酸化抗体による濃縮法を併用した。

〇酸化チタンビーズを用いたリン酸化ペプチド濃縮

上述の SILAC-HepG2 細胞を等量混合し、細胞溶解し、細胞質画分を調製した。細胞質画分を定法に従いリシルエンドペプチダーゼ C とトリプシンで消化した後、ペプチドを C18 カートリッジを用いて固相抽出した。続いて酸化チタンビーズ (GL Science) にリン酸化ペプチドを選択的に結合させた。なお選択性を高めるエンハンサーとして 25% 酢酸を用いた。その後、5%アンモニアと 0.5%ピペリジンでリン酸化ペプチドを溶出し、C18 Stagetip で脱塩濃縮して LC-MS/MS に供した。LC-MS/MS の設定、データ解析方法は以下の通りである。

C18 Stagetip から溶出させたペプチドを 0.5%酢酸、5%アセトニトリルに溶解させて LC (Hitachi nano LC)-MS/MS (Waters QToF ultima) で分析した。カラムは ReproSil-Pur C₁₈-AQ 3 μm resin (Dr. Maisch GmbH)を長さ 10 cm 内径 50 μm のヒューズドシリカチューブにパックしたものを使用し、移動相は A: 2%アセトニトリル、0.5%酢酸、B: 98%アセトニトリル、0.5%酢酸によるリニアグラジエント (流速 200 nl/min、測定時間 85 分) であった。MS 及び MS/MS 測定は MS1 秒、第 1MS/MS~第 3MS/MS 各 2 秒の合計 7 秒の自動測定 (Data dependent analysis) で行い、*m/z* 300-750、750-900、900-1100、1100-1600 の 4 分割したレンジで MS 測定した。データ処理は解析ソフト Mascot Server と Mascot

Distiller を用いて行い、デコイデータベースによる検索で偽陽性確率が 5%以内となるように同定基準を定めた。

〇チロシンリン酸化抗体による濃縮

上述の SILAC-HepG2 細胞を等量混合し、チロシンリン酸化抗体ビーズ (4G10、ミリポア) を用いて、チロシンリン酸化蛋白質を濃縮した。濃縮した蛋白質を 1 次元電気泳動で分離し、ゲル内消化法を用いてペプチドに断片化し、C18 Stagetip で脱塩濃縮して LC-MS/MS に供した。LC-MS/MS の設定、データ解析方法は上述の手法に以下の変更点を加えて行った。MS 及び MS/MS 測定は MS1 秒、第 1MS/MS~第 5MS/MS 各 1 秒の合計 1 秒の自動測定 (Data Dependent Analysis) で行い、*m/z* 300-1600 のレンジで MS 測定した。

システイン酸化プロテオーム解析

上述の SILAC-HepG2 細胞の一方にインディルビンを 1 μM、他方にコントロールとして DMSO を 8 時間曝露し、曝露後、等量混合し、細胞質画分を調製した。ヨード酢酸で分画中の蛋白質の還元型システイン(-SH)をブロックし、次に還元剤 (DTT) で酸化型システインを還元し、Biotin-HPDP タグで標識した。その後、トリプシン消化、ストレプトアビジンビーズによる標識ペプチドの精製を行い、タグの付いたペプチドを脱塩濃縮してナノ LC-MS/MS でペプチドの同定・定量を行った。LC-MS/MS の設定、データ解析方法はチロシンリン酸化抗体による濃縮時と同じ手法を用いた。

アセチル化リジンプロテオーム解析

A549 細胞にヒストン脱アセチル化酵素(HDAC)阻害剤である、tricostatin A 0.3 μM (TSA; class I/II HDAC inhibitor) と sirtinol 50 μM (class III HDAC inhibitor)を 24 時間曝露後、細胞溶解し、細胞質画分を調製した。

また上記細胞質画分の他に、標準蛋白質としてアセチル化シトクロム C を用意し、それぞれをリ

シルエンドペプチダーゼ C とトリプシンで消化し、消化ペプチドを固相抽出した後、4 種類の抗アセチルリジン抗体 (Immunochem Pharmaceuticals, Santacruz Biotech, Upstate, Cell Signaling Technology 社製) を用いて免疫沈降法によりリジンアセチル化ペプチドを濃縮した。濃縮したアセチル化ペプチドを 0.05% トリフルオロ酢酸で溶出し、C18 Stagetip で脱塩濃縮して LC-MS/MS に供した。LC-MS/MS の設定、データ解析方法はチロシンリン酸化抗体による濃縮時と同じ手法を用いた。

ユビキチン化プロテオーム解析

上述の SILAC-HepG2 細胞の一方にプロテアソーム阻害剤 MG132 を 10 μ M、他方にコントロールとして DMSO を 4 時間曝露し、曝露後、等量混合しユビキチン抗体を用いて、ユビキチン化蛋白質を濃縮した。濃縮した蛋白質を 1 次元電気泳動で分離し、ゲル内消化法を用いてペプチドに断片化し、C18 Stagetip で脱塩濃縮して LC-MS/MS に供した。LC-MS/MS の設定、データ解析方法はチロシンリン酸化抗体による濃縮時と同じ手法を用いた。

(倫理面への配慮)

本研究ではサンプルとして培養細胞を用いるため、人権・動物愛護に関する問題には抵触しません。

C. 研究結果

リン酸化プロテオーム解析

酸化チタンビーズを用いた濃縮法では、702 個の蛋白質、794 個のリン酸化ペプチド、961 個のリン酸化サイトを同定した (表 1)。そのうち 1.33 倍以上に増減が見られた蛋白質は ADP-ribosylation factor GTPase-activating protein 2 (0.65 倍)、Tight junction protein ZO-2 (1.36 倍)、FAM134C (1.42 倍) の 3 個であった。

チロシンリン酸化抗体による濃縮法では、236 個の蛋白質を同定した。そのうち 1.33 倍以上に増

減が見られた蛋白質は Non-receptor tyrosine-protein kinase TYK2 (1.67 倍)、GTF21 (1.50 倍)、40S ribosomal protein S10 (1.40 倍)、 β actin (0.53 倍) の 4 個であった (表 2)。上記蛋白質のリン酸化はこれまでダイオキシン受容体シグナルの対象としては知られていないものである。

システイン酸化プロテオーム解析

DTT によって可逆的に酸化されるシステインを含むペプチドを 115 個、蛋白質を 107 個同定した。表 3 に示すようにこのなかで 1.33 倍以上に増減するペプチド、蛋白質は検出されなかった。

アセチル化リジンプロテオーム解析

アセチル化リジン抗体を用いて、アセチル化リジンを含むペプチドもしくは蛋白質を濃縮し、同定するという本研究の戦略の鍵はアセチル化リジン抗体の性能にある。そこで、アセチル化シトクロム C もしくはヒストン脱アセチル化酵素 (HDAC) 阻害剤を曝露させた A549 細胞溶解液を用いて、抗体の性能を評価した。まずそれぞれのサンプルを消化して生成したペプチドを 4 種の抗体を用いて免疫沈降法で濃縮し、LC-MS/MS で同定を試みた。その結果、アセチル化シトクロム C を用いた場合、アセチル化リジンを含むペプチドは検出されなかった。また A549 細胞溶解液を用いて、濃縮効率を検討した結果、最も結果が良かった immuno chem parma 社の抗体を用いた場合でも同定されたペプチドのおよそ 1% がアセチル化ペプチドであった。

ユビキチン化プロテオーム解析

ユビキチン抗体を用いた免疫沈降法で濃縮したユビキチン化蛋白質を 1 次元電気泳動で分離し、ゲル内消化法を用いてペプチドに断片化し LC-MS/MS で同定、定量を行った結果、699 個の蛋白質が同定された。そのうち 0.75 倍以下に減少する蛋白質を 185 個、1.33 倍以上に増加する蛋白

質は 66 個同定した。この中には、HSP90 のように、同定された分画によって、ratio が異なる蛋白質も見られた。

データ解析

Mascot Server システムを導入し、LC-MS/MS による蛋白質同定・定量解析処理作業の自動化を進め、処理効率を大幅に向上させた。さらに、パスイオン解析、ジーンオンロジー解析、学習型蛋白質機能推定解析を行い、試験物質が作用する蛋白質、シグナル経路、細胞内部位、細胞内機能を推定するための情報処理基盤を整備した。

D. 考察

SILAC 法は実験の初期段階で曝露群と非曝露群を混合し、その後の操作過程による影響を受けないため、極めて優れた定量精度を持つ。前年度は 1.5 倍以上の差異を検出可能であることを確認したが、今年度は、曝露群と対照群の細胞を入れ替えるスワップ実験をすることによって、1.33 倍以上の差異を検出可能であることを確かめた。蛋白質の翻訳後修飾サイトの同定は、通常非修飾ペプチド配列の同定と比較して、擬陽性確率が高まるが、SILAC 法を用いた場合、同一配列の「軽い」ペプチドと「重い」ペプチドが偶然同一配列のペプチドに誤同定される確率は極めて低く、また MS/MS スペクトルを比較することで、y イオン、b イオンシリーズの判別がつくため (y イオンシリーズのみがリジンもしくはアルジニンを含むため、質量差を有する)、擬陽性確率を減らすことができる。この SILAC 法のメリットは特にリン酸化プロテオーム解析にて、ペプチド同定が正しいかどうか、MS/MS スペクトルをマニュアルでチェックする際に大きく貢献した。この利点は iTRAQ 法では得られないものであり、SILAC 法の大きなメリットである。

リン酸化プロテオーム解析については、インディルビンを曝露して 10 分後という短期間の non

genomic な影響を、リン酸化ペプチドを濃縮する手法とチロシンリン酸化蛋白質を濃縮する方法を併用して調査した。その結果、それぞれの手法で 3 個、4 個、計 7 個の蛋白質のリン酸化が変動することを確認した。それぞれの手法で同定された蛋白質は大部分が重複していないため、リン酸化蛋白質の同定数を増やすために有効であった。リン酸化ペプチドを濃縮する手法では、リン酸化サイトを直接同定・定量することが出来る反面、そのペプチドがうまくフラグメント化しなかったり、イオン化効率が低いなどの理由で同定できなかった場合も多かった。一方で蛋白質を濃縮する方法では、1 次元のゲルによって、細かく分離することができ、分子量情報も得られるが、リン酸化サイトまで同定できることはまれであった。

アセチル化リジンプロテオーム解析においては、免疫沈降で効率よくアセチル化ペプチドを濃縮することができないことが問題点である。同じ ICP 社の抗体を使用した研究がマン博士のグループから発表されたが、彼らの場合も 3% 程度しか濃縮されなかったため、おそらく抗体価が不足していることが推測される。マンらは大量の抗体を使用することで大規模な解析を行っているが、本研究においては、そのような解析は費用面で困難である。そこで新たに、重要な翻訳後修飾の一つであるユビキチン化プロテオーム解析を実施することに変更した。

ユビキチン化プロテオーム解析では、抗体を用いて、ユビキチン化蛋白質を濃縮する手法を採用した。解析手法の確立を目的として、プロテアソーム阻害剤 MG132 の有無による、蛋白質の定量を行ったところ、699 個の蛋白質が同定された。そのうち 0.75 倍以下に減少する蛋白質を 185 個、1.33 倍以上に増加する蛋白質は 66 個同定できた。今年度、解析手法を確立したので、次年度以降、本手法もトキシコモディフィコーム解析システムに取り入れて、解析を進める予定である。

E. 結論

トキシコモディフィコーム解析システムを試行し、運用できることを確認した。同時にシステムの定量精度・感度・効率性を向上させた。また本研究の基盤技術となる、リン酸化、システイン酸化に加えてユビキチン化蛋白質を定量する手法を新たに確立した。

F. 健康危険情報

なし

G. 研究発表

1. 論文発表

なし

2. 学会発表

Jun Adachi, Keishi Kihara and Tomonari Matsuda,
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10th International Conference on Environmental
Mutagens, Florence, Italy August 2009.

H. 知的財産権の出願・登録状況

特になし

表 1 リン酸化プロテオーム解析結果

(TiO2 ビーズによる濃縮法を使用)

| Fraction | z | Sequence | L/H | Std.Err. | Modifications | | | |
|----------|---|--------------------------------|---------|----------|---------------------------------------------------------|--|--|--|
| E1 03 2 | 3 | AAAAGLGHSPGGSEGGPPGSEEEAAR | 0.99833 | 0.03342 | (11) Phospho (ST),(15) Phospho (ST) | | | |
| E1 03 1 | 3 | AAAAGLGHSPGGSEGGPPGSEEEAAR | 0.91667 | 0.03674 | (11) Phospho (ST),(22) Phospho (ST) | | | |
| E1 03 2 | 3 | AAAAGLGHSPGGSEGGPPGSEEEAAR | 0.98083 | 0.02573 | (11) Phospho (ST),(22) Phospho (ST) | | | |
| E1 03 | 3 | AALGLQSDDEDAVAVDIEQESMFNSK | 0.93516 | 0.02928 | (8) Phospho (ST) | | | |
| E1 03 1 | 3 | AALGLQSDDEDAVAVDIEQESMFNSK | 1.13333 | 0.00869 | (8) Phospho (ST) | | | |
| E1 03 2 | 3 | AALGLQSDDEDAVAVDIEQESMFNSK | 1.14417 | 0.01679 | (8) Phospho (ST) | | | |
| E2 03 2 | 3 | AALGLQSDDEDAVAVDIEQESMFNSK | 1.18083 | 0.01193 | (8) Phospho (ST) | | | |
| E1 03 1 | 3 | AALGLQSDDEDAVAVDIEQESMFNSK | 1.0775 | 0.03497 | (8) Phospho (ST),(24) Oxidation (M) | | | |
| E1 03 2 | 3 | AALGLQSDDEDAVAVDIEQESMFNSK | 1.0875 | 0.0423 | (8) Phospho (ST),(24) Oxidation (M) | | | |
| E2 01 2 | 2 | AASLNLYNQPSAAPLQVSR | 0.89833 | 0.01815 | (3) Phospho (ST) | | | |
| E2 03 2 | 2 | AASLNLYNQPSAAPLQVSR | 0.93 | 0.01547 | (3) Phospho (ST) | | | |
| E2 03 | 2 | AASLNLYNQPSAAPLQVSR | 1.06383 | 0.02739 | (3) Phospho (ST) | | | |
| E2 01 1 | 3 | AASLNLYNQPSAAPLQVSR | 0.92833 | 0.01586 | (3) Phospho (ST),(9) Deamidated (NQ) | | | |
| E2 03 2 | 2 | AASPPASADLIEQQK | 0.82467 | 0.04506 | (3) Phospho (ST) | | | |
| E1 03 2 | 2 | AASPPASADLIEQQK | 0.91833 | 0.02762 | (3) Phospho (ST) | | | |
| E1 03 1 | 2 | AASPPASADLIEQQK | 0.94167 | 0.02071 | (3) Phospho (ST) | | | |
| E1 03 | 2 | AASPPASADLIEQQK | 1.06308 | 0.04678 | (3) Phospho (ST) | | | |
| E1 02 2 | 3 | AASSDQLRDNPPPAFKPEPPK | 1.36167 | 0.04048 | (4) Phospho (ST),(11) Phospho (ST) | | | |
| E1 02 1 | 3 | AASSDQLRDNPPPAFKPEPPK | 1.3875 | 0.03507 | (4) Phospho (ST),(11) Phospho (ST) | | | |
| E1 03 2 | 3 | ADAPDAGAQSDSELPYHQNDVSLDR | 1.04 | 0.01166 | (10) Phospho (ST) | | | |
| E1 03 1 | 3 | ADAPDAGAQSDSELPYHQNDVSLDR | 1.0575 | 0.02245 | (10) Phospho (ST) | | | |
| E2 01 1 | 2 | ADLNLNLGIAK | 1.00417 | 0.0998 | | | | |
| E1 02 1 | 2 | ADSGEGDFLAEGGGVSR | 0.74383 | 0.03353 | (3) Phospho (ST) | | | |
| E1 02 2 | 2 | ADSGEGDFLAEGGGVSR | 0.7615 | 0.0454 | (3) Phospho (ST) | | | |
| E2 01 1 | 2 | ADSGEGDFLAEGGGVSR | 0.78067 | 0.02702 | (3) Phospho (ST) | | | |
| E2 02 2 | 2 | ADSGEGDFLAEGGGVSR | 0.79383 | 0.02895 | (3) Phospho (ST) | | | |
| E2 02 1 | 2 | ADSGEGDFLAEGGGVSR | 1.15385 | 0.01364 | (3) Phospho (ST) | | | |
| E1 03 1 | 4 | ADVLEAHEAEPEAGKSEAEDDEVEDDLP | 1.18333 | 0.038 | (19) Phospho (ST) | | | |
| E1 03 2 | 4 | ADVLEAHEAEPEAGKSEAEDDEVEDDLP | 1.18667 | 0.03172 | (19) Phospho (ST) | | | |
| E2 02 2 | 3 | AEDEILNRSR | 0.78583 | 0.0308 | (10) Phospho (ST) | | | |
| E2 01 1 | 3 | AEDEILNRSR | 0.80992 | 0.01522 | (10) Phospho (ST) | | | |
| E2 01 2 | 3 | AEDEILNRSR | 0.81342 | 0.03699 | (10) Phospho (ST) | | | |
| E2 01 2 | 3 | AEDEILNRSR | 0.81583 | 0.02651 | (10) Phospho (ST) | | | |
| E1 01 1 | 3 | AEDEILNRSR | 0.84583 | 0.01911 | (10) Phospho (ST) | | | |
| E1 01 3 | 3 | AEDEILNRSR | 0.87833 | 0.01175 | (10) Phospho (ST) | | | |
| E1 02 | 2 | AEDEILNRSR | 1.28666 | 0.01487 | (10) Phospho (ST) | | | |
| E2 01 1 | 3 | AEDEILNRSR | 0.82317 | 0.0611 | (10) Phospho (ST) | | | |
| E1 01 3 | 2 | AFLAELQNSPK | 0.79758 | 0.00953 | (10) Phospho (ST) | | | |
| E1 01 2 | 2 | AFLAELQNSPK | 0.79758 | 0.00953 | (10) Phospho (ST) | | | |
| E2 02 1 | 2 | AFLSPTLLEGLR | 0.70183 | 0.01764 | (4) Phospho (ST) | | | |
| E2 02 2 | 2 | AFLSPTLLEGLR | 0.70892 | 0.01458 | (4) Phospho (ST) | | | |
| E1 01 3 | 2 | AFSDPFVEAK | 1.1625 | 0.09088 | (3) Phospho (ST) | | | |
| E1 04 1 | 2 | AFVDESDDEGAGEGGSSLLQK | 0.90583 | 0.0113 | (6) Phospho (ST) | | | |
| E1 02 | 2 | AGDLLSDPKRPK | 0.87873 | 0.08724 | (8) Phospho (ST) | | | |
| E1 02 2 | 2 | AGDLLSDPKRPK | 0.9125 | 0.02004 | (8) Phospho (ST) | | | |
| E2 01 2 | 2 | AGDLLSDPKRPK | 0.92833 | 0.01845 | (8) Phospho (ST) | | | |
| E1 01 1 | 3 | AGDLLSDPKRPK | 0.995 | 0.01169 | (8) Phospho (ST) | | | |
| E1 01 3 | 3 | AGDLLSDPKRPK | 0.99583 | 0.01653 | (8) Phospho (ST) | | | |
| E1 03 1 | 3 | AGEPNISDAEEANSPDVTAGCDPAGVHPPR | 1.36583 | 0.01427 | (14) Phospho (ST) | | | |
| E1 03 2 | 3 | AGEQQLSEPDMEAGDTPDDPPR | 1.3425 | 0.0693 | (7) Phospho (ST) | | | |
| E1 02 2 | 2 | AGLSGAEPGDGSDTTK | 1.12167 | 0.0581 | (17) Phospho (ST) | | | |
| E1 02 1 | 2 | AGSITLSDLFAR | 0.84833 | 0.02145 | (3) Phospho (ST) | | | |
| E1 02 1 | 2 | AGSITLSDLFAR | 0.99833 | 0.01181 | (3) Phospho (ST) | | | |
| E1 02 | 2 | AGSITLSDLFAR | 1.02389 | 0.00936 | (3) Phospho (ST) | | | |
| E2 02 2 | 2 | AGSITLSDLFAR | 1.08583 | 0.07353 | (3) Phospho (ST) | | | |
| E2 01 1 | 3 | AHLTVGAAAGSGNLLTER | 0.76642 | 0.03915 | (13) Phospho (ST) | | | |
| E2 01 2 | 3 | AHLTVGAAAGSGNLLTER | 0.71092 | 0.06285 | (13) Phospho (ST),(19) Deamidated (NQ) | | | |
| E2 02 1 | 3 | AGGILTASHNPGPNDFGK | 1.0025 | 0.00743 | (10) Phospho (ST),(17) Deamidated (NQ) | | | |
| E2 02 2 | 3 | AGGILTASHNPGPNDFGK | 1.03667 | 0.01091 | (10) Phospho (ST),(17) Deamidated (NQ) | | | |
| E2 01 1 | 2 | AISDMFFGR | 0.64442 | 0.03024 | (3) Phospho (ST) | | | |
| E2 01 2 | 2 | AISDMFFGR | 0.665 | 0.02012 | (3) Phospho (ST) | | | |
| E1 01 | 2 | AISDMFFGR | 0.70588 | 0.06284 | (3) Phospho (ST) | | | |
| E2 01 1 | 2 | AITSLGGSPK | 1.0775 | 0.0434 | (10) Phospho (ST) | | | |
| E1 03 2 | 3 | ALAEAESEELPSDVLNDPYFAEEVK | 1.115 | 0.01433 | (13) Phospho (ST) | | | |
| E2 04 | 2 | ALDSLSSGEDEGDEEDSTAGTIK | 1.17555 | 0.03403 | (7) Phospho (ST),(8) Phospho (ST) | | | |
| E2 01 1 | 4 | ALEPLAASSPRPTSPESH | 1.09833 | 0.03906 | (16) Phospho (ST),(18) Phospho (ST) | | | |
| E2 01 2 | 4 | ALEPLAASSPRPTSPESH | 1.15667 | 0.04759 | (16) Phospho (ST),(18) Phospho (ST) | | | |
| E1 04 1 | 3 | ALENGDAEPSFSDPEDFVDDVSEELLGDVL | 1.12083 | 0.02617 | (11) Phospho (ST),(13) Phospho (ST),(23) Phospho (ST) | | | |
| E1 04 3 | 3 | ALENGDAEPSFSDPEDFVDDVSEELLGDVL | 1.14417 | 0.00584 | (13) Phospho (ST) | | | |
| E2 04 2 | 3 | ALENGDAEPSFSDPEDFVDDVSEELLGDVL | 1.17083 | 0.02716 | (4) Deamidated (NQ),(11) Phospho (ST),(13) Phospho (ST) | | | |
| E1 04 3 | 3 | ALENGDAEPSFSDPEDFVDDVSEELLGDVL | 1.2475 | 0.01376 | (4) Deamidated (NQ),(11) Phospho (ST),(13) Phospho (ST) | | | |
| E1 04 3 | 3 | ALENGDAEPSFSDPEDFVDDVSEELLGDVL | 1.18917 | 0.0283 | (4) Deamidated (NQ),(11) Phospho (ST),(13) Phospho (ST) | | | |
| E2 01 1 | 3 | ALESPPRFLALGGAK | 0.98083 | 0.01899 | (4) Phospho (ST) | | | |
| E2 01 2 | 3 | ALESPPRFLALGGAK | 1.01417 | 0.02175 | (4) Phospho (ST) | | | |
| E2 03 1 | 2 | ALSSGGISITPLSPALPK | 0.98917 | 0.01711 | (10) Phospho (ST) | | | |
| E1 04 | 2 | ALSSLHGGDDQDSEDEVLTIPEVK | 0.7371 | 0.04772 | (12) Phospho (ST) | | | |
| E1 02 | 2 | ALSSLHGGDDQDSEDEVLTIPEVK | 0.88705 | 0.00913 | (12) Phospho (ST) | | | |
| E1 04 1 | 2 | ALSSLHGGDDQDSEDEVLTIPEVK | 0.9525 | 0.01752 | (12) Phospho (ST) | | | |
| E1 02 1 | 3 | ALSSLHGGDDQDSEDEVLTIPEVK | 0.96583 | 0.01854 | (12) Phospho (ST) | | | |
| E2 02 2 | 2 | ALSSLHGGDDQDSEDEVLTIPEVK | 1.005 | 0.01793 | (12) Phospho (ST) | | | |
| E1 04 3 | 2 | ALSSLHGGDDQDSEDEVLTIPEVK | 1.0225 | 0.04422 | (12) Phospho (ST) | | | |
| E1 02 2 | 2 | ALSSLHGGDDQDSEDEVLTIPEVK | 1.04333 | 0.02281 | (12) Phospho (ST) | | | |
| E2 04 2 | 2 | ALSSLHGGDDQDSEDEVLTIPEVK | 1.04583 | 0.02367 | (12) Phospho (ST) | | | |
| E1 02 2 | 3 | ALVFESNPEETREPGSPVQR | 1.29333 | 0.01119 | (12) Phospho (ST) | | | |
| E1 02 | 3 | ALVFESNPEETREPGSPVQR | 0.86957 | 0.02859 | (17) Phospho (ST) | | | |
| E2 02 2 | 3 | ALVFESNPEETREPGSPVQR | 1.1775 | 0.02508 | (17) Phospho (ST) | | | |
| E1 02 2 | 3 | ALVFESNPEETREPGSPVQR | 1.29333 | 0.01119 | (17) Phospho (ST) | | | |
| E1 03 | 2 | ALVPEPEPDSNQER | 0.98039 | 0.02571 | (13) Phospho (ST) | | | |
| E1 03 1 | 2 | ALVPEPEPDSNQER | 1.02667 | 0.01765 | (13) Phospho (ST) | | | |
| E1 03 2 | 2 | ALVPEPEPDSNQER | 1.05417 | 0.01482 | (13) Phospho (ST) | | | |
| E1 03 2 | 3 | AMDNHSDSEELAAFCPLQDDSTVAR | 0.9375 | 0.01332 | (6) Phospho (ST),(8) Phospho (ST) | | | |
| E1 01 3 | 3 | AMLQDLQMGTSRQGDTR | 1.13 | 0.04246 | (10) Phospho (ST) | | | |
| E2 03 1 | 2 | ANFVGTQAQWSPPELLTEK | 1.09 | 0.01722 | (3) Phospho (ST) | | | |
| E2 03 2 | 2 | ANFVGTQAQWSPPELLTEK | 1.1225 | 0.01731 | (3) Phospho (ST) | | | |
| E1 01 3 | 3 | APSDSSLGTPSDGRPEL | 1.20667 | 0.05792 | (3) Phospho (ST) | | | |
| E1 04 1 | 3 | APVSSSTESVIQSNTPPPSQPLNETAEEER | 1.32583 | 0.05209 | (12) Phospho (ST) | | | |
| E1 04 1 | 3 | APVSSSTESVIQSNTPPPSQPLNETAEEER | 1.19917 | 0.01227 | (12) Phospho (ST),(14) Phospho (ST) | | | |
| E1 04 | 3 | APVSSSTESVIQSNTPPPSQPLNETAEEER | 0.69832 | 0.02439 | (14) Phospho (ST),(16) Phospho (ST) | | | |
| E2 04 1 | 3 | APVSSSTESVIQSNTPPPSQPLNETAEEER | 1.11083 | 0.02396 | (14) Phospho (ST),(16) Phospho (ST) | | | |
| E1 04 3 | 3 | APVSSSTESVIQSNTPPPSQPLNETAEEER | 1.18833 | 0.01628 | (14) Phospho (ST),(16) Phospho (ST) | | | |
| E1 04 1 | 3 | APVSSSTESVIQSNTPPPSQPLNETAEEER | 1.19917 | 0.01227 | (14) Phospho (ST),(16) Phospho (ST) | | | |
| E2 04 1 | 3 | APVSSSTESVIQSNTPPPSQPLNETAEEER | 1.32583 | 0.05543 | (16) Phospho (ST) | | | |
| E1 01 3 | 3 | AQGGPVAGHESPKPYEK | 0.96417 | 0.09786 | (11) Phospho (ST) | | | |
| E1 01 3 | 2 | AQSPGAVEILDR | 0.84333 | 0.02497 | (3) Phospho (ST) | | | |
| E1 01 1 | 2 | AQSPGAVEILDR | 0.89333 | 0.03407 | (3) Phospho (ST) | | | |
| E2 01 1 | 3 | ARSPSVAAMASPQLCR | 1.00333 | 0.01592 | (3) Phospho (ST) | | | |
| E2 01 2 | 3 | ARSPSVAAMASPQLCR | 1.08917 | 0.04337 | (3) Phospho (ST),(9) Oxidation (M) | | | |
| E2 01 1 | 3 | ARSPSVAAMASPQLCR | 1.17333 | 0.05875 | (5) Phospho (ST) | | | |
| E1 01 1 | 3 | ARVVDALDDLTPPSAESGSR | 0.92583 | 0.03876 | (3) Phospho (ST) | | | |
| E2 01 2 | 2 | ASAVSELSR | 0.92583 | 0.05781 | (8) Phospho (ST) | | | |
| E1 01 | 2 | ASAVSELSR | 0.95541 | 0.00917 | (8) Phospho (ST) | | | |
| E2 01 1 | 2 | ASAVSELSR | 0.9575 | 0.06759 | (8) Phospho (ST) | | | |
| E1 01 3 | 2 | ASAVSELSR | 0.97 | 0.01484 | (8) Phospho (ST) | | | |
| E1 01 1 | 2 | ASAVSELSR | 0.97583 | 0.01672 | (8) Phospho (ST) | | | |
| E1 01 1 | 3 | ASLGSLEGEAEAEASSPK | 0.78217 | 0.04043 | (5) Phospho (ST) | | | |
| E1 01 3 | 3 | ASLGSLEGEAEAEASSPK | 0.81325 | 0.0211 | (5) Phospho (ST) | | | |
| E1 03 | 2 | ASLGSLEGEAEAEASSPK | 1.67879 | 0.01194 | (5) Phospho (ST) | | | |
| E1 01 1 | 3 | ASLGSLEGEAEAEASSPKGK | 0.93667 | 0.09279 | (16) Phospho (ST) | | | |
| E1 02 | 3 | ASPAPGSGHPEGPGHAHDMNSLDR | 0.82418 | 0.09034 | (2) Phospho (ST) | | | |
| E1 02 2 | 3 | ASPAPGSGHPEGPGHAHDMNSLDR | 1.0525 | 0.03524 | (2) Phospho (ST) | | | |
| E1 02 1 | 3 | ASPAPGSGHPEGPGHAHDMNSLDR | 1.10583 | 0.02414 | (2) Phospho (ST) | | | |
| E1 02 | 2 | ASPSPQSSQPLQHR | 0.83241 | 0.02575 | (4) Phospho (ST) | | | |
| E1 03 | 2 | ASPSPQSSQPLQHR | 0.84602 | 0.02747 | (4) Phospho (ST) | | | |
| E2 01 2 | 2 | ASPSPQSSQPLQHR | 1.02333 | 0.0208 | (4) Phospho (ST) | | | |
| E1 02 1 | 2 | ASPSPQSSQPLQHR | 1.06833 | 0.01994 | (4) | | | |

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|---------|---|----------------------------------|---------|---------|----------------------------------------|
| E1 02 2 | 3 | AVPIAVAEDEGESESEDDLKPR | 0.78992 | 0.1581 | (12) Phospho (ST);(14) Phospho (ST) |
| E2 02 2 | 3 | AVLQMQVAVSNGATLPSALSASK | 0.67283 | 0.1365 | (11) Deamidated (NQ);(22) Phospho (ST) |
| E1 01 3 | 3 | AVTPVPTKTEEVSNLK | 0.94917 | 0.0294 | (3) Phospho (ST) |
| E1 01 1 | 3 | AVTPVPTKTEEVSNLK | 0.96167 | 0.03605 | (3) Phospho (ST) |
| E2 01 1 | 3 | AVTPVPTKTEEVSNLK | 1.02417 | 0.04874 | (3) Phospho (ST) |
| E2 02 2 | 2 | AYTPVVTLWYR | 0.96833 | 0.03065 | (3) Phospho (ST) |
| E2 01 1 | 2 | AYTPVVTLWYR | 1.03417 | 0.02561 | (3) Phospho (ST) |
| E2 04 2 | 3 | CGSGPVHISGQHLVAVEEDAESDEEEEEEDVK | 1.03583 | 0.0421 | (11) Deamidated (NQ);(22) Phospho (ST) |
| E2 02 2 | 4 | CGSGPVHISGQHLVAVEEDAESDEEEEEEDVK | 1.075 | 0.03728 | (11) Deamidated (NQ);(22) Phospho (ST) |
| E1 04 | 3 | CGSGPVHISGQHLVAVEEDAESDEEEEEEDVK | 0.78125 | 0.02497 | (22) Phospho (ST) |
| E2 04 | 3 | CGSGPVHISGQHLVAVEEDAESDEEEEEEDVK | 0.80819 | 0.03154 | (22) Phospho (ST) |
| E1 02 | 4 | CGSGPVHISGQHLVAVEEDAESDEEEEEEDVK | 0.98684 | 0.00877 | (22) Phospho (ST) |
| E2 02 2 | 4 | CGSGPVHISGQHLVAVEEDAESDEEEEEEDVK | 1.07167 | 0.03672 | (22) Phospho (ST) |
| E1 02 2 | 4 | CGSGPVHISGQHLVAVEEDAESDEEEEEEDVK | 1.08083 | 0.00816 | (22) Phospho (ST) |
| E1 02 1 | 4 | CGSGPVHISGQHLVAVEEDAESDEEEEEEDVK | 1.09917 | 0.00733 | (22) Phospho (ST) |
| E2 04 1 | 3 | CGSGPVHISGQHLVAVEEDAESDEEEEEEDVK | 1.15 | 0.06462 | (22) Phospho (ST) |
| E1 02 1 | 2 | CTELNQAWSLGLK | 0.82525 | 0.05058 | (10) Phospho (ST) |
| E2 01 | 2 | DAGTLAGLNVMR | 1.41777 | 0.02642 | |
| E1 01 | 3 | DAPEEEDHVLVLR | 1.50618 | 0.02234 | |
| E1 01 1 | 3 | DAQLRSPFEEVPK | 0.28817 | 0.07323 | (6) Phospho (ST) |
| E1 03 1 | 2 | DATNVGDEGFAPNLENK | 1.005 | 0.02528 | |
| E1 01 | 3 | DELHVAEAMNVEGSPK | 1.0989 | 0.04302 | (16) Phospho (ST) |
| E1 02 2 | 2 | DELQRQLDMLAK | 1.0675 | 0.01783 | (NQ);(9) Phospho (ST) |
| E1 01 3 | 2 | DFTPVCTELGR | 0.845 | 0.08129 | |
| E2 01 1 | 3 | DGLNQTTPVSPSPSTTKPSR | 1.26333 | 0.06114 | (11) Phospho (ST) |
| E2 01 2 | 3 | DGLNQTTPVSPSPSTTKPSR | 1.35583 | 0.06577 | (11) Phospho (ST) |
| E1 01 3 | 2 | DGSFGEGLTMK | 0.596 | 0.0248 | (3) Phospho (ST) |
| E1 02 1 | 3 | DGSGDHPDFPEDADIDLKVDK | 1.29667 | 0.08184 | Phospho (ST) |
| E1 01 1 | 2 | DIDISSPEFK | 0.95333 | 0.01859 | (6) Phospho (ST) |
| E1 02 | 2 | DIRQPSEEEIK | 0.7768 | 0.01906 | (7) Phospho (ST) |
| E1 01 1 | 3 | DIRQPSEEEIK | 0.87583 | 0.01166 | (7) Phospho (ST) |
| E1 01 | 3 | DIRQPSEEEIK | 0.89499 | 0.01273 | (7) Phospho (ST) |
| E1 02 1 | 2 | DIRQPSEEEIK | 0.97333 | 0.253 | (7) Phospho (ST) |
| E2 01 1 | 4 | DKQSPSQANGCSDHRPIDLEMLSR | 0.97333 | 0.05069 | Deamidated (NQ) |
| E1 03 | 2 | DKSPVREPIDLNTPPEER | 0.79787 | 0.02534 | (3) Phospho (ST) |
| E1 01 | 3 | DKSPVREPIDLNTPPEER | 0.98039 | 0.03023 | (3) Phospho (ST) |
| E1 01 3 | 3 | DKSPVREPIDLNTPPEER | 1.04917 | 0.02645 | (3) Phospho (ST) |
| E1 01 1 | 3 | DKSPVREPIDLNTPPEER | 1.055 | 0.02847 | (3) Phospho (ST) |
| E2 01 1 | 3 | DKSPVREPIDLNTPPEER | 1.11583 | 0.02418 | (3) Phospho (ST) |
| E2 01 2 | 3 | DKSPVREPIDLNTPPEER | 1.12083 | 0.02358 | (3) Phospho (ST) |
| E1 03 1 | 2 | DKSPVREPIDLNTPPEER | 1.3875 | 0.05739 | (3) Phospho (ST) |
| E1 02 2 | 2 | DKSPVREPIDLNTPPEER | 1.42667 | 0.05678 | (3) Phospho (ST) |
| E1 02 1 | 2 | DLADELALVDVIEDK | 1.01 | 0.00892 | |
| E1 01 3 | 3 | DLADELALVDVIEDK | 1.02167 | 0.05615 | |
| E1 02 2 | 2 | DLADELALVDVIEDK | 1.04 | 0.01781 | |
| E1 02 | 2 | DLADELALVDVIEDK | 1.05263 | 0.01001 | |
| E1 01 1 | 3 | DLADELALVDVIEDK | 1.075 | 0.07755 | |
| E2 01 1 | 2 | DLDDFQSWLVR | 0.8425 | 0.077 | |
| E1 03 | 2 | DLDEDELLGNLSETELK | 0.74294 | 0.01956 | (12) Phospho (ST) |
| E1 01 3 | 3 | DLDEEGSEKELHENVLDK | 0.865 | 0.1432 | (7) Phospho (ST) |
| E1 04 3 | 2 | DLFDLNSSEEDDTGFSER | 1.00333 | 0.03003 | (ST);(8) Phospho (ST) |
| E1 04 3 | 2 | DLFDLNSSEEDDTGFSER | 0.96667 | 0.07738 | (7) Phospho (ST);(8) Phospho (ST) |
| E2 04 1 | 2 | DLFDLNSSEEDDTGFSER | 1.04083 | 0.01788 | Phospho (ST) |
| E2 04 2 | 2 | DLFDLNSSEEDDTGFSER | 1.0575 | 0.02458 | (7) Phospho (ST);(8) Phospho (ST) |
| E1 04 | 2 | DLFDLNSSEEDDTGFSER | 1.11857 | 0.00929 | Phospho (ST) |
| E1 04 1 | 2 | DLFDLNSSEEDDTGFSER | 1.14417 | 0.00791 | Phospho (ST) |
| E1 01 3 | 3 | DLFDYSPPLHK | 0.91583 | 0.0104 | (6) Phospho (ST) |
| E1 01 3 | 2 | DLFDYSPPLHK | 0.95583 | 0.01922 | (6) Phospho (ST) |
| E1 01 1 | 2 | DLFDYSPPLHK | 0.96917 | 0.02363 | (6) Phospho (ST) |
| E2 01 2 | 2 | DLFDYSPPLHK | 0.97083 | 0.01472 | (6) Phospho (ST) |
| E2 01 1 | 2 | DLFDYSPPLHK | 1.00667 | 0.00903 | (6) Phospho (ST) |
| E2 01 | 2 | DLFDYSPPLHK | 1.02459 | 0.02112 | (6) Phospho (ST) |
| E1 04 | 3 | DLGHPVEEEDLESQDQEDDEDESEDPGK | 0.72046 | 0.0134 | (14) Phospho (ST) |
| E1 04 3 | 3 | DLGHPVEEEDLESQDQEDDEDESEDPGK | 1.1825 | 0.02733 | (14) Phospho (ST) |
| E2 04 2 | 3 | DLGHPVEEEDLESQDQEDDEDESEDPGK | 1.195 | 0.03667 | (14) Phospho (ST) |
| E1 03 2 | 3 | DLKIESDVQEPTEPEDDLMLGNK | 1.51917 | 0.03974 | (6) Phospho (ST) |
| E1 03 1 | 3 | DLKIESDVQEPTEPEDDLMLGNK | 1.5525 | 0.04547 | (6) Phospho (ST) |
| E1 03 2 | 3 | DLKIESDVQEPTEPEDDLMLGNK | 2.00667 | 0.06261 | Phospho (ST) |
| E1 02 | 2 | DLLSDDLQSDSDSER | 0.89552 | 0.04068 | (10) Phospho (ST) |
| E1 02 1 | 2 | DLLSDDLQSDSDSER | 1.07417 | 0.01441 | (10) Phospho (ST) |
| E1 02 2 | 2 | DLLSDDLQSDSDSER | 1.10167 | 0.03195 | (10) Phospho (ST) |
| E1 01 3 | 3 | DMESPTKLDVTLAK | 0.75917 | 0.09274 | (2) Oxidation (M);(4) Phospho (ST) |
| E1 02 2 | 2 | DMESPTKLDVTLAK | 1.0375 | 0.03091 | (2) Oxidation (M);(4) Phospho (ST) |
| E1 02 | 2 | DMESPTKLDVTLAK | 1.05116 | 0.01901 | (2) Oxidation (M);(4) Phospho (ST) |
| E1 02 1 | 2 | DMESPTKLDVTLAK | 1.05667 | 0.03176 | (2) Oxidation (M);(4) Phospho (ST) |
| E1 01 1 | 3 | DMESPTKLDVTLAK | 1.07667 | 0.02562 | (2) Oxidation (M);(4) Phospho (ST) |
| E2 02 2 | 2 | DMESPTKLDVTLAK | 1.17667 | 0.11 | (2) Oxidation (M);(4) Phospho (ST) |
| E2 01 2 | 3 | DMESPTKLDVTLAK | 1.22667 | 0.03482 | (2) Oxidation (M);(4) Phospho (ST) |
| E2 01 1 | 3 | DMESPTKLDVTLAK | 1.2275 | 0.03655 | Phospho (ST) |
| E1 02 | 2 | DMESPTKLDVTLAK | 0.99469 | 0.01447 | (4) Phospho (ST) |

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|---------|---|------------------------------|---------|---------|-------------------------------------|
| E1 01 1 | 3 | DMESPTKLDVTLAK | 1.02667 | 0.01177 | (4) Phospho (ST) |
| E1 02 1 | 2 | DMESPTKLDVTLAK | 1.03417 | 0.01658 | (4) Phospho (ST) |
| E1 02 2 | 2 | DMESPTKLDVTLAK | 1.0375 | 0.02126 | (4) Phospho (ST) |
| E2 02 | 2 | DMESPTKLDVTLAK | 1.05042 | 0.02721 | (4) Phospho (ST) |
| E1 01 3 | 3 | DMESPTKLDVTLAK | 1.05833 | 0.0145 | (4) Phospho (ST) |
| E1 01 | 3 | DMESPTKLDVTLAK | 1.05932 | 0.01849 | (4) Phospho (ST) |
| E1 02 2 | 3 | DMESPTKLDVTLAK | 1.06 | 0.00964 | (4) Phospho (ST) |
| E2 01 1 | 3 | DMESPTKLDVTLAK | 1.065 | 0.01478 | (4) Phospho (ST) |
| E2 02 2 | 2 | DMESPTKLDVTLAK | 1.10167 | 0.01301 | (4) Phospho (ST) |
| E2 02 1 | 2 | DMESPTKLDVTLAK | 1.11833 | 0.0121 | (4) Phospho (ST) |
| E1 03 | 3 | DMPGGFLFEGLSDEDDDFHPNTR | 0.94221 | 0.03606 | (2) Oxidation (M);(12) Phospho (ST) |
| E1 02 2 | 3 | DMPGGFLFEGLSDEDDDFHPNTR | 1.11167 | 0.04628 | (2) Oxidation (M);(12) Phospho (ST) |
| E1 03 2 | 3 | DMPGGFLFEGLSDEDDDFHPNTR | 1.14917 | 0.05556 | Phospho (ST) |
| E1 02 | 2 | DMSPLSETEMALGK | 1.06007 | 0.1005 | (3) Phospho (ST) |
| E1 02 2 | 2 | DMSPLSETEMALGK | 1.22833 | 0.02313 | (3) Phospho (ST) |
| E1 02 2 | 2 | DMSPLSETEMALGK | 1.17083 | 0.02321 | (3) Phospho (ST);(6) Phospho (ST) |
| E2 03 1 | 3 | DMSPLSETEMALGKDVTPPETEVVLK | 1.17 | 0.02618 | (17) Phospho (ST) |
| E2 04 2 | 2 | DNLLDYSADQGSSEGGTLAR | 0.62267 | 0.02538 | (14) Phospho (ST) |
| E2 04 1 | 2 | DNLLDYSADQGSSEGGTLAR | 0.62933 | 0.03214 | (14) Phospho (ST) |
| E2 04 | 2 | DNLLDYSADQGSSEGGTLAR | 1.28096 | 0.03691 | (14) Phospho (ST) |
| E1 04 | 2 | DNLLDYSADQGSSEGGTLAR | 1.35014 | 0.02432 | (14) Phospho (ST) |
| E1 03 2 | 3 | DNLLDYSADQGSSEGGTLARGESEEEK | 0.74833 | 0.01561 | (15) Phospho (ST) |
| E1 03 1 | 3 | DNLLDYSADQGSSEGGTLARGESEEEK | 0.75183 | 0.03649 | (15) Phospho (ST) |
| E1 02 | 2 | DNSPPPAFKPEPPK | 1.33929 | 0.05411 | (3) Phospho (ST) |
| E1 01 3 | 3 | DNTFFRESVPVGR | 0.82475 | 0.03541 | (8) Phospho (ST) |
| E1 02 2 | 2 | DNTFFRESVPVGR | 0.828 | 0.06141 | (8) Phospho (ST) |
| E2 01 1 | 3 | DQSTSMHSHNLLFSR | 0.68833 | 0.02693 | (5) Phospho (ST) |
| E1 02 1 | 3 | DQSTSMHSHNLLFSR | 0.75517 | 0.02084 | (5) Phospho (ST) |
| E1 01 1 | 3 | DQSTSMHSHNLLFSR | 0.7575 | 0.06067 | (5) Phospho (ST);(7) Phospho (ST) |
| E2 01 1 | 3 | DQSTSMHSHNLLFSR | 0.77175 | 0.01402 | (5) Phospho (ST);(7) Phospho (ST) |
| E2 01 2 | 3 | DQSTSMHSHNLLFSR | 0.81667 | 0.01049 | (5) Phospho (ST);(7) Phospho (ST) |
| E2 03 1 | 2 | DQSTSMHSHNLLFSR | 0.98417 | 0.216 | Phospho (ST) |
| E1 04 3 | 2 | DSQDASAEQSDHDEVASLASASGGFGTK | 1.15333 | 0.02463 | (10) Phospho (ST) |
| E1 03 1 | 3 | DSQDASAEQSDHDEVASLASASGGFGTK | 1.18583 | 0.01829 | (10) Phospho (ST) |
| E1 04 3 | 2 | DSQDASAEQSDHDEVASLASASGGFGTK | 1.15333 | 0.02463 | (6) Phospho (ST) |
| E1 03 2 | 3 | DSQDASAEQSDHDEVASLASASGGFGTK | 1.15917 | 0.01482 | (6) Phospho (ST) |
| E1 04 3 | 3 | DSQQLNPSLNDSSEEDIESESNR | 1.22083 | 0.01271 | (11) Phospho (ST);(15) Phospho (ST) |
| E1 04 1 | 3 | DSQQLNPSLNDSSEEDIESESNR | 0.995 | 0.01484 | (15) Phospho (ST);(17) Phospho (ST) |
| E2 04 2 | 3 | DSQQLNPSLNDSSEEDIESESNR | 1.06083 | 0.1077 | Phospho (ST) |
| E1 02 | 2 | DVDVSEDSPPPLPER | 0.83987 | 0.0346 | (8) Phospho (ST) |
| E1 01 | 2 | DVLEIEQFSTVK | 1.27986 | 0.02477 | (10) Phospho (ST) |
| E1 03 2 | 3 | DVMSDETNNEETESPSQEFVNITK | 1.10333 | 0.04789 | (14) Phospho (ST) |
| E1 02 1 | 2 | DVTPPETEVVLK | 1.1375 | 0.02434 | (3) Phospho (ST) |
| E1 02 2 | 2 | DVTPPETEVVLK | 1.15833 | 0.01736 | (3) Phospho (ST) |
| E1 01 | 3 | DVTPPETEVVLK | 0.98945 | 0.01519 | (8) Phospho (ST) |
| E2 03 | 2 | DWEDSDDEMSNFDR | 0.83149 | 0.01283 | (6) Phospho (ST) |
| E1 03 | 2 | DWEDSDDEMSNFDR | 0.86957 | 0.00416 | (6) Phospho (ST) |
| E1 03 2 | 2 | DWEDSDDEMSNFDR | 1.3925 | 0.07997 | (6) Phospho (ST) |
| E2 02 2 | 3 | DYESQNLASPTNTLLGSAK | 1.14583 | 0.03055 | (12) Phospho (ST) |
| E1 02 1 | 3 | DYESQNLASPTNTLLGSAK | 1.16833 | 0.03348 | (12) Phospho (ST) |
| E2 01 3 | 3 | DYESQNLASPTNTLLGSAK | 1.1775 | 0.02549 | (12) Phospho (ST) |
| E2 04 2 | 2 | DYESQNLASPTNTLLGSAK | 1.24583 | 0.02417 | (12) Phospho (ST) |
| E1 01 1 | 2 | EALAPPVSPK | 1.05917 | 0.00893 | (8) Phospho (ST) |
| E1 01 3 | 2 | EALAPPVSPK | 1.16917 | 0.0074 | (8) Phospho (ST) |
| E2 01 2 | 3 | EALAEAALESPPALVR | 0.83308 | 0.07836 | (10) Phospho (ST) |
| E2 01 1 | 3 | EALAEAALESPPALVR | 0.87167 | 0.08061 | (10) Phospho (ST) |
| E1 01 1 | 3 | EALAEAALESPPALVR | 0.89583 | 0.04639 | (10) Phospho (ST) |
| E1 01 3 | 3 | EALAEAALESPPALVR | 0.92667 | 0.02254 | (10) Phospho (ST) |
| E1 03 1 | 3 | EDLESMDKVEDDILGEGSDSDSEK | 1.1425 | 0.02197 | Phospho (ST) |
| E1 02 2 | 3 | EEENADSDDEGELDLSQDWR | 0.9425 | 0.05316 | (7) Phospho (ST) |
| E1 04 | 2 | EEGSDDEDEMEELLNDR | 1.37994 | 0.04319 | (4) Phospho (ST) |
| E1 02 2 | 2 | EELMSSDLEETAGSTSPK | 1.185 | 0.01054 | (5) Phospho (ST) |
| E1 01 | 2 | EELMSSDLEETAGSTSPK | 1.18167 | 0.01077 | (6) Phospho (ST) |
| E1 02 2 | 2 | EELMSSDLEETAGSTSPK | 1.185 | 0.01054 | (6) Phospho (ST) |
| E1 02 1 | 3 | EGEPTVYSDEEPEKDESAR | 0.81767 | 0.03807 | (9) Phospho (ST) |
| E1 02 | 3 | EGEPTVYSDEEPEKDESAR | 1.40713 | 0.03503 | (9) Phospho (ST) |
| E1 03 | 3 | EGHSEMENENLVENGADSDDEDNSFLK | 1.50845 | 0.0816 | (2) Oxidation (M);(19) Phospho (ST) |
| E2 03 1 | 3 | EGLRPGDITSTFCGTPNYAPELR | 1.05583 | 0.02414 | (11) Phospho (ST) |
| E2 03 | 3 | EGMNPYSYDEYADSDQHDAYLER | 0.70788 | 0.01501 | (13) Phospho (ST) |
| E2 03 1 | 3 | EGMNPYSYDEYADSDQHDAYLER | 1.23 | 0.02083 | (13) Phospho (ST) |
| E2 04 2 | 2 | EGMNPYSYDEYADSDQHDAYLER | 1.31583 | 0.06691 | (13) Phospho (ST) |
| E2 04 1 | 2 | EGMNPYSYDEYADSDQHDAYLER | 1.32833 | 0.01601 | (13) Phospho (ST) |
| E2 03 | 3 | EGMNPYSYDEYADSDQHDAYLER | 0.73171 | | |

| | | | | | | | | | |
|---------|---|-------------------------------------------------------|---------|-----------|-----------------------------------------------|--|--|--|--|
| E1 01 3 | 4 | EGPGEEHFEDMASDEDMKPK EGTQQERESPRRLQPGAEGPAISDGEEGG | 1.2425 | 0.05476 | (13) Phospho (ST);(17) Oxidation (M) | | | | |
| E1 04 3 | 4 | EPGAGGGAAGAAGAGR | 1.08333 | 0.133 | Phospho (ST) | | | | |
| E2 01 1 | 2 | EIDLVLDR | 0.96333 | 0.02557 | (10) Phospho (ST);(25) | | | | |
| E2 01 1 | 2 | EITALPSTMK | 0.97784 | 0.03409 | | | | | |
| E1 01 1 | 3 | EKEVDGLTSEPMGSPVSSK | 1.065 | 0.02567 | (15) Phospho (ST) | | | | |
| E1 03 1 | 2 | EKEVDGLTSEPMGSPVSSK | 1.10167 | 0.05525 | (15) Phospho (ST) | | | | |
| E1 03 1 | 2 | EKPDSDDDLDIASLVTA | 0.80383 | 0.1335 | (5) Phospho (ST) | | | | |
| E1 03 2 | 2 | EKPDSDDDLDIASLVTA | 0.83 | 0.1766 | (5) Phospho (ST) | | | | |
| E1 03 2 | 2 | EKPDSDDDLDIASLVTA | 0.90964 | 0.10194 | (5) Phospho (ST) | | | | |
| E1 02 1 | 3 | EKQSDDEVYAPGLDISSLK | 1.3925 | 0.1046 | (4) Phospho (ST) | | | | |
| E2 02 2 | 3 | EKVSSIDLEISLSSLLDDMTK | 1.095 | 0.01286 | (5) Phospho (ST) | | | | |
| E1 02 2 | 2 | ELDSEFEDLASDVR | 0.71642 | 0.02322 | (4) Phospho (ST) | | | | |
| E2 02 2 | 3 | ELEKPIQSKPQSPVIAAAVSPK | 1.09 | 0.05359 | (21) Phospho (ST) | | | | |
| E2 02 1 | 3 | ELEKPIQSKPQSPVIAAAVSPK | 1.1325 | 0.03501 | (21) Phospho (ST) | | | | |
| E1 02 2 | 3 | ELEKPIQSKPQSPVIAAAVSPK | 1.14417 | 0.1 | (21) Phospho (ST) | | | | |
| E1 01 1 | 2 | ELISNASDALDK | 1.20096 | 0.02861 | | | | | |
| E1 02 1 | 3 | ELNSPLRENSFGSPLFR | 1.0661 | 0.02319 | (3) Phospho (ST);(5) Phospho (ST) | | | | |
| E1 02 2 | 3 | ELNSPLRENSFGSPLFR | 1.07417 | 0.01882 | (3) Phospho (ST);(5) Phospho (ST) | | | | |
| E1 02 1 | 3 | ELNSPLRENSFGSPLFR | 1.22917 | 0.09614 | (3) Phospho (ST);(5) Phospho (ST);(14) | | | | |
| E1 02 1 | 3 | ELNSPLRENSFGSPLFR | 1.05189 | 0.08105 | Phospho (ST) | | | | |
| E2 02 1 | 3 | ELNSPLRENSFGSPLFR | 0.84833 | 0.06351 | (5) Phospho (ST) | | | | |
| E2 02 2 | 3 | ELNSPLRENSFGSPLFR | 0.87 | 0.06953 | (5) Phospho (ST) | | | | |
| E1 02 2 | 3 | ELNSPLRENSFGSPLFR | 0.88917 | 0.0612 | (5) Phospho (ST);(10) Deamidated (NQ);(14) | | | | |
| E1 02 2 | 3 | ELNSPLRENSFGSPLFR | 0.9 | 0.04016 | Phospho (ST);(14) | | | | |
| E2 02 1 | 3 | ELNSPLRENSFGSPLFR | 0.905 | 0.01401 | Phospho (ST);(14) | | | | |
| E1 02 1 | 3 | ELNSPLRENSFGSPLFR | 0.93333 | 0.00888 | Phospho (ST);(14) | | | | |
| E2 02 2 | 3 | ELNSPLRENSFGSPLFR | 0.93417 | 0.04966 | Phospho (ST);(14) | | | | |
| E2 02 1 | 3 | ELNSPLRENSFGSPLFR | 1.20968 | 0.06383 | Phospho (ST);(14) | | | | |
| E1 02 1 | 3 | ELNSPLRENSFGSPLFR | 1.23457 | 0.01151 | Phospho (ST) | | | | |
| E1 01 3 | 2 | ENSGSPLEFR | 0.75892 | 0.1327 | (6) Phospho (ST) | | | | |
| E1 02 2 | 3 | ENVEYIEREESDGEYDEFGR | 0.99 | 0.01785 | (11) Phospho (ST) | | | | |
| E2 04 1 | 2 | ENVEYIEREESDGEYDEFGR | 1.02583 | 0.02416 | (11) Phospho (ST) | | | | |
| E1 02 1 | 3 | ENVEYIEREESDGEYDEFGR | 1.05333 | 0.03655 | (11) Phospho (ST) | | | | |
| E1 02 1 | 3 | ENVEYIEREESDGEYDEFGR | 1.06232 | 0.04995 | (11) Phospho (ST) | | | | |
| E2 02 2 | 3 | ENVEYIEREESDGEYDEFGR | 1.07083 | 0.02402 | (11) Phospho (ST) | | | | |
| E1 04 1 | 2 | ENVEYIEREESDGEYDEFGR | 1.12917 | 0.03095 | (11) Phospho (ST) | | | | |
| E1 04 1 | 2 | ENVEYIEREESDGEYDEFGR | 1.12917 | 0.03095 | (11) Phospho (ST) | | | | |
| E1 04 3 | 2 | ENVEYIEREESDGEYDEFGR | 1.18083 | 0.06248 | (11) Phospho (ST) | | | | |
| E1 02 1 | 3 | ENVEYIEREESDGEYDEFGR | 1.05083 | 0.03647 | (2) Deamidated (NQ);(11) Phospho (ST) | | | | |
| E2 02 1 | 3 | ENVEYIEREESDGEYDEFGR | 0.82508 | 0.03264 | (11) Phospho (ST) | | | | |
| E1 03 1 | 3 | ERESEDELEEAANGNPIEVDQNK | 0.98083 | 0.06813 | (5) Phospho (ST) | | | | |
| E1 03 2 | 3 | ERESEDELEEAANGNPIEVDQNK | 1.13417 | 0.05314 | (5) Phospho (ST) | | | | |
| E2 02 2 | 4 | ERSSLSGTTDDGADEVKIDLEVDVTSK | 1.21083 | 0.00789 | (7) Phospho (ST) | | | | |
| E1 02 1 | 3 | ERIQQFDDGSSDEEDWEEK | 0.9875 | 0.1498 | (11) Phospho (ST) | | | | |
| E1 04 1 | 2 | ERIQQFDDGSSDEEDWEEK | 1.19167 | 0.2765 | (11) Phospho (ST);(8) Phospho (ST) | | | | |
| E1 01 3 | 3 | ERSPALKSLQSVVVR | 0.93333 | 0.0228 | (3) Phospho (ST);(8) Phospho (ST) | | | | |
| E1 01 1 | 3 | ERSPALKSLQSVVVR | 0.93583 | 0.03298 | (3) Phospho (ST);(8) Phospho (ST) | | | | |
| E2 02 2 | 2 | ERSPALKSLQSVVVR | 0.94917 | 0.07713 | (3) Phospho (ST);(8) Phospho (ST) | | | | |
| E2 01 1 | 3 | ERSPALKSLQSVVVR | 0.95178 | 0.01743 | (3) Phospho (ST);(8) Phospho (ST) | | | | |
| E2 01 1 | 3 | ERSPALKSLQSVVVR | 0.96167 | 0.01837 | (3) Phospho (ST);(8) Phospho (ST) | | | | |
| E2 03 1 | 2 | ERSPALKSLQSVVVR | 0.97417 | 0.08362 | (3) Phospho (ST);(8) Phospho (ST) | | | | |
| E2 01 2 | 3 | ERSPALKSLQSVVVR | 0.98083 | 0.01573 | Phospho (ST) | | | | |
| E1 01 3 | 2 | ESDQTLAALLSPK | 0.80858 | 0.02179 | (11) Phospho (ST) | | | | |
| E1 01 1 | 2 | ESDQTLAALLSPK | 0.8575 | 0.0182 | (11) Phospho (ST) | | | | |
| E1 02 1 | 3 | ESEDKPEIEDVGSDEEEK | 0.92025 | 0.01391 | (13) Phospho (ST) | | | | |
| E1 02 2 | 3 | ESEDKPEIEDVGSDEEEK | 0.86207 | 0.02303 | (13) Phospho (ST) | | | | |
| E1 04 1 | 3 | ESPRRLQPGAEGPAISDGEEGGEPGAGGA | 0.7768 | 0.00808 | (17) Phospho (ST) | | | | |
| E2 04 2 | 3 | ESPRRLQPGAEGPAISDGEEGGEPGAGGA | 1.14917 | 0.03254 | (17) Phospho (ST) | | | | |
| E1 04 3 | 3 | ESPRRLQPGAEGPAISDGEEGGEPGAGGA | 1.1925 | 0.0252 | (17) Phospho (ST) | | | | |
| E1 04 1 | 3 | ESPRRLQPGAEGPAISDGEEGGEPGAGGA | 1.19667 | 0.01617 | (17) Phospho (ST) | | | | |
| E2 04 1 | 3 | ESPRRLQPGAEGPAISDGEEGGEPGAGGA | 1.19667 | 0.02833 | (17) Phospho (ST) | | | | |
| E1 01 3 | 4 | ESSPPHVSFSGDRDWR | 1.00917 | 0.01172 | (3) Phospho (ST) | | | | |
| E1 01 1 | 4 | ESSPPHVSFSGDRDWR | 1.07667 | 0.02458 | (3) Phospho (ST) | | | | |
| E1 04 3 | 3 | EVAATEEDVTRLPSPTSPFSSLSQDQAATSK | 1.1425 | 0.05626 | (14) Phospho (ST);(16) Phospho (ST) | | | | |
| E1 04 1 | 3 | EVAATEEDVTRLPSPTSPFSSLSQDQAATSK | 1.04167 | 0.08414 | (5) Phospho (ST);(10) Phospho (ST) | | | | |
| E1 03 1 | 2 | EVDGLLTSEPMGSPVSSK | 0.82057 | 0.01186 | (13) Phospho (ST) | | | | |
| E2 03 1 | 2 | EVDGLLTSEPMGSPVSSK | 1.075 | 0.02524 | (13) Phospho (ST) | | | | |
| E1 03 2 | 2 | EVDGLLTSEPMGSPVSSK | 1.12583 | 0.01559 | (13) Phospho (ST) | | | | |
| E2 03 2 | 2 | EVDGLLTSEPMGSPVSSK | 1.1 | 0.02035 | (13) Phospho (ST) | | | | |
| E1 03 1 | 2 | EVDGLLTSEPMGSPVSSK | 1.14583 | 0.01391 | (13) Phospho (ST) | | | | |
| E2 03 1 | 3 | EVVEAVTIVETPPMVVVGVYETPR | 0.93917 | 0.0209 | | | | | |
| E2 03 2 | 3 | EVVEAVTIVETPPMVVVGVYETPR | 0.94 | 0.01761 | | | | | |
| E1 03 1 | 2 | EYFGOPPLSQSSDSSPTR | 0.75301 | 0.01364 | (16) Phospho (ST) | | | | |
| E1 01 3 | 3 | FCSNSGRLSGPAELR | 0.75308 | 0.03879 | (9) Phospho (ST) | | | | |
| E1 04 3 | 3 | FEESKEPVADEEEEDSDDDVEPITEFR | 1.02667 | 0.02287 | (17) Phospho (ST) | | | | |
| E1 04 1 | 3 | FEESKEPVADEEEEDSDDDVEPITEFR | 1.0525 | 0.02462 | (17) Phospho (ST) | | | | |
| E2 04 2 | 3 | FEESKEPVADEEEEDSDDDVEPITEFR | 1.20833 | 0.00812 | (17) Phospho (ST) | | | | |
| E1 03 1 | 3 | FGSEEEVMEVESDEEDDKQEK | 0.94518 | 0.02032 | (9) Oxidation (M);(13) Phospho (ST) | | | | |
| E1 03 2 | 3 | FGSEEEVMEVESDEEDDKQEK | 1.025 | 0.01824 | (9) Oxidation (M);(13) Phospho (ST) | | | | |
| E1 02 1 | 3 | FGSEEEVMEVESDEEDDKQEK | 1.07143 | 0.01713 | (9) Oxidation (M);(13) Phospho (ST) | | | | |
| E1 02 2 | 3 | FGSEEEVMEVESDEEDDKQEK | 1.07143 | 0.01713 | (9) Oxidation (M);(13) Phospho (ST) | | | | |
| E1 02 2 | 3 | FGSEEEVMEVESDEEDDKQEK | 1.075 | 0.02085 | (9) Oxidation (M);(13) Phospho (ST) | | | | |
| E1 02 1 | 3 | FGSEEEVMEVESDEEDDKQEK | 1.095 | 0.01848 | (9) Oxidation (M);(13) Phospho (ST) | | | | |
| E1 01 3 | 2 | FGSTLQLDLEK | 0.91833 | 0.03637 | (4) Phospho (ST) | | | | |
| E2 03 1 | 4 | FHPEPYGLEDDQRSMGYDDLQYGMMSDYGTAR | 1.02917 | 0.1572 | (14) Phospho (ST) | | | | |
| E2 03 1 | 4 | FHPEPYGLEDDQRSMGYDDLQYGMMSDYGTAR | 1.02917 | 0.1572 | (17) Phospho (Y) | | | | |
| E2 04 1 | 2 | FIGSVSEDNSEDESNLVK | 1.00833 | 0.01211 | (11) Phospho (ST) | | | | |
| E2 04 2 | 2 | FIGSVSEDNSEDESNLVK | 1.04833 | 0.00974 | (11) Phospho (ST) | | | | |
| E1 04 1 | 2 | FIGSVSEDNSEDESNLVK | 1.13083 | 0.03634 | (7) Phospho (ST);(11) Phospho (ST) | | | | |
| E1 04 3 | 2 | FLSAAADFSEDEDDVDGR | 0.84 | 0.07019 | (10) Phospho (ST) | | | | |
| E1 02 1 | 2 | FLMECRNSPVTK | 1.09417 | 0.01711 | (8) Phospho (ST) | | | | |
| E1 01 3 | 3 | FLNRSPEESFDK | 0.97583 | 0.03548 | (9) Phospho (ST);(9) Phospho (ST) | | | | |
| E1 02 2 | 3 | FNDSEGDDEETEDYRQFR | 0.78875 | 0.1481 | (4) Phospho (ST) | | | | |
| E2 02 1 | 3 | FNDSEGDDEETEDYRQFR | 0.79733 | 0.2828 | (4) Phospho (ST) | | | | |
| E2 03 1 | 3 | FTDKQQPSGSEGEDDAAEALKK | 1.36583 | 0.0462 | (9) Phospho (ST);(11) Phospho (ST) | | | | |
| E1 03 2 | 3 | GAAEAELEEDSDDEEKPKVKQDDFFK | 1.13083 | 0.0398 | Phospho (ST) | | | | |
| E1 03 1 | 3 | GAAEAELEEDSDDEEKPKVKQDDFFK | 1.18833 | 0.06751 | (11) Phospho (ST) | | | | |
| E1 03 1 | 3 | GDLSDVEEEEEEMDVEDATGAVKK | 0.955 | 0.06345 | (4) Phospho (ST) | | | | |
| E1 03 2 | 3 | GDMSEDDENEFDAPEITMPENLGHK | 1.185 | 0.0378 | (4) Phospho (ST) | | | | |
| E1 03 2 | 2 | GDQPAASGSDSDDEPPPLPR | 0.74075 | 0.03091 | (10) Phospho (ST) | | | | |
| E1 03 1 | 2 | GDQPAASGSDSDDEPPPLPR | 0.75292 | 0.02946 | (10) Phospho (ST) | | | | |
| E1 03 2 | 2 | GDQPAASGSDSDDEPPPLPR | 1.51469 | 0.01851 | (10) Phospho (ST) | | | | |
| E2 03 2 | 2 | GDSEDTLEALFNAMNPK | 1.00083 | 0.01507 | (3) Phospho (ST) | | | | |
| E2 03 1 | 2 | GDSEDTLEALFNAMNPK | 1.02083 | 0.0138 | (3) Phospho (ST) | | | | |
| E2 03 1 | 2 | GDSEDTLEALFNAMNPK | 1.02083 | 0.0138 | (3) Phospho (ST) | | | | |
| E1 04 1 | 2 | GDSEELADSEDEEDNEEEER | 0.71225 | 0.00898 | (11) Phospho (ST) | | | | |
| E1 04 2 | 2 | GDSEELADSEDEEDNEEEER | 1.30167 | 0.02137 | (11) Phospho (ST) | | | | |
| E1 01 3 | 2 | GEFSASPMK | 0.82442 | 0.02238 | (6) Phospho (ST) | | | | |
| E1 02 2 | 2 | GFGEVDFNSEEDAK | 1.3825 | 0.1084 | (9) Phospho (ST) | | | | |
| E1 02 1 | 2 | GFGEVDFNSEEDAK | 1.53417 | 0.1132 | (9) Phospho (ST) | | | | |
| E2 02 1 | 2 | GGSSIVGVNSKFDSE | 1.0453 | 0.148 | (15) Phospho (ST) | | | | |
| E2 02 1 | 2 | GGSSIVGVNSKFDSE | 1.04917 | 0.03102 | (15) Phospho (ST) | | | | |
| E2 02 2 | 2 | GGSSIVGVNSKFDSE | 1.18833 | 0.06252 | (15) Phospho (ST) | | | | |
| E2 02 2 | 3 | GHVEYTGSDDETGKLGSGVSLASK | 0.95833 | 0.02629 | (8) Phospho (ST) | | | | |
| E2 02 1 | 3 | GHVEYTGSDDETGKLGSGVSLASK | 0.97417 | 0.02039 | (8) Phospho (ST) | | | | |
| E1 03 1 | 3 | GHEFDESSDRDARPALETQPKQEK | 1.43833 | 0.02637 | (9) Phospho (ST) | | | | |
| E1 03 2 | 3 | GHEFDESSDRDARPALETQPKQEK | 1.5475 | 0.03489 | (9) Phospho (ST) | | | | |
| E1 01 1 | 2 | GIITDSFGR | 0.69958 | 0.02078 | (6) Phospho (ST) | | | | |
| E1 01 3 | 2 | GIITDSFGR | 0.73542 | 0.02877 | (6) Phospho (ST) | | | | |
| E1 01 2 | 2 | GLAADSTGSIK | 0.79358 | 0.09475</ | | | | | |

| | | | | | | | | |
|---------|---|--------------------------------|---------|---------|-------------------------|--|--|--|
| E2 01 2 | 2 | GNSDGYIPINK | 0.69833 | 0.03119 | (3) Phospho (ST) | | | |
| E2 03 1 | 3 | GPPDFSSDDEEREPTVLGSGAAAAGR | 0.99833 | 0.05019 | (6) Phospho (ST);(7) | | | |
| E2 03 2 | 3 | GPPDFSSDDEEREPTVLGSGAAAAGR | 1.05417 | 0.05702 | (6) Phospho (ST);(7) | | | |
| E2 03 | 3 | GPPDFSSDDEEREPTVLGSGAAAAGR | 1.36612 | 0.05522 | (6) Phospho (ST);(7) | | | |
| E1 03 1 | 2 | GPPQSPVFEVGYNNSR | 0.81633 | 0.05944 | (5) Phospho (ST) | | | |
| E1 03 2 | 2 | GPPQSPVFEVGYNNSR | 0.90667 | 0.0476 | (5) Phospho (ST) | | | |
| E2 02 2 | 2 | GPVSPVSFQPLAR | 0.95833 | 0.04575 | (4) Phospho (ST) | | | |
| E1 02 | 3 | GQPTLGESEDLDGHSDPPEESFAR | 1.38889 | 0.0281 | (16) Phospho (ST) | | | |
| E1 03 | 3 | GQPTLGESEDLDGHSDPPEESFAR | 1.60479 | 0.02936 | (9) Phospho (ST);(16) | | | |
| E1 01 3 | 2 | GRLGSVDSFER | 0.9625 | 0.01938 | (5) Phospho (ST) | | | |
| E1 01 1 | 2 | GRLGSVDSFER | 1.01167 | 0.01829 | (5) Phospho (ST) | | | |
| E2 01 2 | 2 | GRLSPVPVPR | 0.90167 | 0.03247 | (4) Phospho (ST) | | | |
| E2 01 1 | 2 | GRLSPVPVPR | 0.90833 | 0.03788 | (4) Phospho (ST) | | | |
| E1 01 1 | 2 | GRLSPVPVPR | 0.945 | 0.03051 | (4) Phospho (ST) | | | |
| E1 04 3 | 3 | KSAPHSSEDLPEQEELIGSDDDQEQDNDYK | 1.24417 | 0.01126 | (20) Phospho (ST) | | | |
| E2 01 2 | 3 | GSIFPMSVPDVPSPHSK | 0.77158 | 0.222 | (2) Phospho (ST) | | | |
| E1 01 1 | 2 | GSLASLDSLR | 0.72258 | 0.02387 | (5) Phospho (ST) | | | |
| E1 01 3 | 2 | GSLASLDSLR | 0.72825 | 0.03288 | (5) Phospho (ST) | | | |
| E1 01 1 | 2 | GSLASLDSLR | 0.68358 | 0.04126 | (5) Phospho (ST);(8) | | | |
| E2 01 | 2 | GSLASLDSLRK | 0.27203 | 0.05442 | (2) Phospho (ST);(5) | | | |
| E2 01 1 | 2 | GSLASLDSLRK | 0.87667 | 0.02344 | (2) Phospho (ST);(8) | | | |
| E1 01 3 | 2 | GSLASLDSLRK | 0.68858 | 0.02577 | (5) Phospho (ST);(8) | | | |
| E1 01 1 | 2 | GSLASLDSLRK | 0.71392 | 0.03408 | (5) Phospho (ST);(8) | | | |
| E2 01 1 | 2 | GSLASLDSLRK | 0.77108 | 0.02283 | (5) Phospho (ST);(8) | | | |
| E2 01 2 | 2 | GSLASLDSLRK | 0.80658 | 0.02163 | (5) Phospho (ST);(8) | | | |
| E1 01 | 2 | GSLASLDSLRK | 1.02319 | 0.02309 | (5) Phospho (ST);(8) | | | |
| E2 01 | 2 | GSLASLDSLRK | 1.24069 | 0.02395 | (5) Phospho (ST) | | | |
| E2 01 | 2 | GSLASLDSLRK | 2.52653 | 0.04339 | (8) Phospho (ST) | | | |
| E1 02 | 2 | GSPEEELPLPAFEK | 1.20676 | 0.1301 | (2) Phospho (ST) | | | |
| E1 02 1 | 2 | GSPEEELPLPAFEK | 1.21 | 0.1458 | (2) Phospho (ST) | | | |
| E2 01 2 | 2 | GSPHYSPFRPY | 0.85167 | 0.00759 | (2) Phospho (ST) | | | |
| E2 02 2 | 2 | GSPHYSPFRPY | 0.86667 | 0.00594 | (2) Phospho (ST) | | | |
| E2 02 2 | 2 | GSPHYSPFRPY | 0.69958 | 0.02987 | (2) Phospho (ST);(7) | | | |
| E2 01 2 | 2 | GSPHYSPFRPY | 0.78983 | 0.0121 | (2) Phospho (ST);(7) | | | |
| E2 01 1 | 2 | GSPHYSPFRPY | 0.83417 | 0.02105 | (2) Phospho (ST);(7) | | | |
| E2 02 | 2 | GSPHYSPFRPY | 1.22449 | 0.01025 | (2) Phospho (ST);(7) | | | |
| E1 01 | 2 | GSPQAGVDSLFAFR | 1.02529 | 0.04779 | (2) Phospho (ST) | | | |
| E2 03 2 | 3 | GSSLSGTDGGAQEVVKDLEDVVTSAK | 1.23167 | 0.01526 | (3) Phospho (ST) | | | |
| E2 03 1 | 3 | GSSLSGTDGGAQEVVKDLEDVVTSAK | 1.23833 | 0.00591 | (3) Phospho (ST) | | | |
| E2 01 1 | 4 | GSYGSDAEEEEYRQLSEHSK | 0.9825 | 0.02164 | (2) Phospho (ST) | | | |
| E2 04 1 | 2 | GSYGSDAEEEEYRQLSEHSK | 1.03917 | 0.01888 | (2) Phospho (ST) | | | |
| E2 02 | 3 | GSYGSDAEEEEYRQLSEHSK | 0.95299 | 0.01406 | (5) Phospho (ST) | | | |
| E2 01 2 | 3 | GSYGSDAEEEEYRQLSEHSK | 1.10333 | 0.01179 | (5) Phospho (ST) | | | |
| E2 01 1 | 3 | GSYGSDAEEEEYRQLSEHSK | 1.10333 | 0.01179 | (5) Phospho (ST) | | | |
| E2 02 2 | 3 | GSYGSDAEEEEYRQLSEHSK | 1.13917 | 0.01739 | (5) Phospho (ST) | | | |
| E2 03 2 | 2 | GTGQSDSDSDMDDTALK | 0.9875 | 0.03565 | (2) Phospho (ST);(8) | | | |
| E1 03 2 | 2 | GTGQSDSDSDMDDTALK | 1.05333 | 0.03751 | (5) Phospho (ST);(8) | | | |
| E1 03 2 | 2 | GTGQSDSDSDMDDTALK | 0.9375 | 0.02513 | (5) Phospho (ST);(8) | | | |
| E1 03 2 | 2 | GTGQSDSDSDMDDTALK | 1.05333 | 0.03751 | (5) Phospho (ST) | | | |
| E1 03 1 | 2 | GTGQSDSDSDMDDTALK | 1.07917 | 0.07112 | (8) Phospho (ST) | | | |
| E1 02 1 | 3 | GTSPRPPEGGLYSQGLDGLDLK | 0.9625 | 0.02172 | (3) Phospho (ST) | | | |
| E1 02 2 | 3 | GTSPRPPEGGLYSQGLDGLDLK | 0.965 | 0.0313 | (3) Phospho (ST) | | | |
| E1 04 3 | 2 | GVDFESSEDDDDPFMNTSSLR | 1.02917 | 0.05563 | (6) Phospho (ST);(7) | | | |
| E1 03 2 | 3 | GVDFESSEDDDDPFMNTSSLRR | 0.86083 | 0.05331 | (6) Phospho (ST);(7) | | | |
| E1 03 1 | 3 | GVDFESSEDDDDPFMNTSSLRR | 0.945 | 0.04794 | (6) Phospho (ST);(7) | | | |
| E2 01 2 | 2 | GVSMNMLEPK | 0.835 | 0.05402 | (3) Phospho (ST) | | | |
| E1 01 3 | 2 | GVSMNMLEPK | 0.95083 | 0.01638 | (3) Phospho (ST) | | | |
| E2 02 2 | 2 | GVVSEDLPNISR | 0.7125 | 0.06598 | (3) Phospho (ST) | | | |
| E2 01 2 | 2 | GYTSSEVYTDHGRPGK | 0.83833 | 0.07071 | (4) Phospho (ST) | | | |
| E2 01 1 | 3 | GYTSSEVYTDHGRPGK | 0.855 | 0.06643 | (4) Phospho (ST) | | | |
| E1 03 1 | 3 | HDSIPAADTFEDLSDVEGGGSEPTQR | 1.14 | 0.06333 | (14) Phospho (ST) | | | |
| E1 03 2 | 3 | HDSIPAADTFEDLSDVEGGGSEPTQR | 1.19833 | 0.03777 | (14) Phospho (ST) | | | |
| E1 02 2 | 3 | HGSADSDYENTQSGDPLLGLEGK | 0.83917 | 0.07217 | (7) Phospho (ST);(13) | | | |
| E2 01 1 | 4 | HGTDLWIDNMSAVPNHNSPEKK | 0.92333 | 0.03735 | (12) Phospho (ST) | | | |
| E1 01 1 | 4 | HKEEPLSEEEPCSTAAISPEK | 1.00583 | 0.04094 | (8) Phospho (ST) | | | |
| E1 02 | 3 | HKEEPLSEEEPCSTAAISPEK | 1.01695 | 0.00899 | (8) Phospho (ST) | | | |
| E1 01 3 | 4 | HKEEPLSEEEPCSTAAISPEK | 1.08083 | 0.03431 | (8) Phospho (ST) | | | |
| E1 02 2 | 3 | HKEEPLSEEEPCSTAAISPEK | 1.10833 | 0.01783 | (8) Phospho (ST) | | | |
| E1 01 1 | 3 | HKEEPLSEEEPCSTAAISPEK | 1.1275 | 0.01307 | (8) Phospho (ST) | | | |
| E1 04 3 | 2 | HKEEPLSEEEPCSTAAISPEK | 1.19083 | 0.0503 | (8) Phospho (ST) | | | |
| E2 03 | 3 | HKEEPLSEEEPCSTAAISPEK | 0.70456 | 0.03335 | (8) Phospho (ST);(20) | | | |
| E2 03 1 | 3 | HKEEPLSEEEPCSTAAISPEK | 1.64917 | 0.03086 | (8) Phospho (ST);(20) | | | |
| E2 03 2 | 3 | HKEEPLSEEEPCSTAAISPEK | 1.66833 | 0.02973 | (8) Phospho (ST);(20) | | | |
| E1 03 1 | 3 | HKEEPLSEEEPCSTAAISPEK | 1.675 | 0.01319 | (8) Phospho (ST);(20) | | | |
| E1 03 2 | 3 | HKEEPLSEEEPCSTAAISPEK | 1.71333 | 0.01195 | (8) Phospho (ST);(20) | | | |
| E1 03 2 | 3 | HKEEPLSEEEPCSTAAISPEKK | 0.865 | 0.0942 | (8) Phospho (ST) | | | |
| E1 01 3 | 4 | HKEEPLSEEEPCSTAAISPEKK | 1.90417 | 0.0471 | (8) Phospho (ST);(20) | | | |
| E1 03 2 | 3 | HKEEPLSEEEPCSTAAISPEKK | 1.98583 | 0.03645 | (8) Phospho (ST);(20) | | | |
| E2 02 1 | 4 | HKEEPLSEEEPCSTAAISPEKK | 2.0525 | 0.05144 | (10) Phospho (ST);(13) | | | |
| E2 01 2 | 3 | HLDVLDLROSLSSIDKNPSEK | 1.31667 | 0.04691 | (7) Phospho (ST);(9) | | | |
| E2 01 1 | 5 | HNDVSDSDAEDRGLSAELTAHFGGGGLL | 0.95917 | 0.0225 | (5) Phospho (ST) | | | |
| E2 02 2 | 3 | HSSISPVRLPLNSSLGAELSR | 0.91167 | 0.01995 | (2) Phospho (ST);(5) | | | |
| E2 02 1 | 3 | HSSISPVRLPLNSSLGAELSR | 0.93833 | 0.01655 | (3) Phospho (ST);(5) | | | |
| E2 02 1 | 3 | HSSISPVRLPLNSSLGAELSR | 0.93833 | 0.01655 | (3) Phospho (ST) | | | |
| E2 01 | 3 | HYEDGYPGSDNYGSLSR | 0.80645 | 0.05834 | (15) Phospho (ST) | | | |
| E2 03 | 2 | HYEDGYPGSDNYGSLSR | 0.82418 | 0.01125 | (15) Phospho (ST) | | | |
| E2 01 2 | 3 | HYEDGYPGSDNYGSLSR | 0.86833 | 0.03341 | (15) Phospho (ST) | | | |
| E2 03 2 | 2 | HYEDGYPGSDNYGSLSR | 0.87333 | 0.01361 | (15) Phospho (ST) | | | |
| E1 01 | 2 | IQAELSLK | 1.06666 | 0.05279 | (9) Phospho (ST) | | | |
| E1 04 1 | 3 | AR | 1.47083 | 0.03007 | (22) Phospho (ST) | | | |
| E2 02 1 | 2 | IDFSSIAVPGTSSPR | 0.91667 | 0.2063 | (13) Phospho (ST) | | | |
| E2 01 | 2 | IDSPSTFR | 0.92365 | 0.01272 | (4) Phospho (ST) | | | |
| E1 01 1 | 2 | IDSPSTFR | 0.9575 | 0.00422 | (4) Phospho (ST) | | | |
| E1 01 | 2 | IDSPSTFR | 0.96031 | 0.01556 | (4) Phospho (ST) | | | |
| E2 01 1 | 2 | IDSPSTFR | 1.01083 | 0.00672 | (4) Phospho (ST) | | | |
| E1 01 3 | 2 | IDSPSTFR | 1.035 | 0.00985 | (4) Phospho (ST) | | | |
| E2 01 2 | 2 | IDSPSTFRK | 1.03563 | 0.01275 | (4) Phospho (ST) | | | |
| E2 02 2 | 2 | IDSPSTFRK | 0.84333 | 0.06835 | (4) Phospho (ST) | | | |
| E1 01 3 | 3 | IDSPSTFRK | 0.85417 | 0.0145 | (4) Phospho (ST) | | | |
| E2 01 2 | 2 | IDSPSTFRK | 0.86 | 0.0196 | (4) Phospho (ST) | | | |
| E1 01 | 2 | IDSPSTLR | 0.89659 | 0.00766 | (4) Phospho (ST) | | | |
| E1 01 1 | 2 | IDSPSTLR | 0.9525 | 0.00584 | (4) Phospho (ST) | | | |
| E1 01 3 | 2 | IDSPSTLR | 0.98833 | 0.01255 | (4) Phospho (ST) | | | |
| E1 01 1 | 2 | IDSPSTLR | 0.9925 | 0.00497 | (4) Phospho (ST) | | | |
| E2 01 2 | 2 | IDSPSTLR | 1.00917 | 0.00738 | (4) Phospho (ST) | | | |
| E1 01 1 | 3 | IDSPSTLRK | 0.91417 | 0.01396 | (4) Phospho (ST) | | | |
| E1 01 3 | 3 | IDSPSTLRK | 0.915 | 0.01473 | (4) Phospho (ST) | | | |
| E2 01 2 | 3 | IDSPSTLRK | 0.91667 | 0.01186 | (4) Phospho (ST) | | | |
| E2 01 1 | 3 | IDSPSTLRK | 0.9225 | 0.01596 | (4) Phospho (ST) | | | |
| E2 01 2 | 2 | IDSPSTLRK | 0.98667 | 0.02264 | (4) Phospho (ST) | | | |
| E2 01 1 | 2 | IDSPSTLRK | 1 | 0.06891 | (4) Phospho (ST) | | | |
| E2 01 | 2 | IDSPSTLRK | 1.0274 | 0.1156 | (4) Phospho (ST) | | | |
| E1 02 | 3 | IDSEPHPLDDTDAEDDAPTK | 1.0101 | 0.09142 | (4) Phospho (ST) | | | |
| E1 03 2 | 3 | IDSEPHPLDDTDAEDDAPTKR | 0.72267 | 0.03058 | (4) Phospho (ST);(14) | | | |
| E1 03 2 | 3 | IDSEPHPLDDTDAEDDAPTKR | 0.8115 | 0.037 | (4) Phospho (ST);(14) | | | |
| E2 03 2 | 3 | IDSEPHPLDDTDAEDDAPTKR | 0.97583 | 0.04663 | (4) Phospho (ST);(14) | | | |
| E1 03 1 | 3 | IDSEPHPLDDTDAEDDAPTKR | 0.99917 | 0.06677 | (4) Phospho (ST) | | | |
| E2 01 2 | 2 | IDVGSDEEDDSSGK | 0.94167 | 0.03881 | (6) Phospho (ST) | | | |
| E1 02 | 2 | IDVGSDEEDDSSGK | 0.95359 | 0.01788 | (6) Phospho (ST) | | | |
| E2 02 2 | 2 | IDVGSDEEDDSSGK | 1 | 0.01254 | (6) Phospho (ST) | | | |
| E2 02 1 | 2 | IDVGSDEEDDSSGK | 1.01583 | 0.04975 | (6) Phospho (ST) | | | |
| E1 03 1 | 2 | IDVGSDEEDDSSGKDK | 0.97833 | 0.02984 | (6) Phospho (ST) | | | |
| E1 01 3 | 2 | IDVGSDEEDDSSGKDK | 0.9825 | 0.0355 | (6) Phospho (ST) | | | |
| E1 03 2 | 2 | IDVGSDEEDDSSGKDK | 0.98417 | 0.02784 | (6) Phospho (ST) | | | |
| E1 01 | 3 | IEVLVDPDTGAGGYSGNSSGSPK | 0.97784 | 0.02567 | (14) Phospho (ST) | | | |
| E1 03 2 | 2 | IEVLVDPDTGAGGYSGNSSGSPK | 0.80142 | 0.01589 | (19) Phospho (ST) | | | |
| E2 03 2 | 2 | IEVLVDPDTGAGGYSGNSSGSPK | 0.81742 | 0.03114 | (19) Phospho (ST) | | | |
| E1 03 | 2 | IEVLVDPDTGAGGYSGNSSGSPK | 0.90909 | 0.08195 | (19) Phospho (ST) | | | |
| E2 04 1 | 3 | IGDLQAAIEDEMESDENEDLNSLQDMVTK | 0.92583 | 0.01661 | (14) Phospho (ST) | | | |
| E2 01 1 | 2 | IGGIVPVGR | 1.11417 | 0.02958 | (10) Oxidation (M);(11) | | | |
| E2 01 | 2 | IGGIVPVGR | 1.35624 | | | | | |

| | | | | | |
|---------|---|------------------------------|---------|---------|----------------------|
| E2 03 | 2 | MHLPAESDEDEDFK | 1.19332 | 0.01309 | (9) Phospho (ST) |
| E1 01 | 3 | MHLPAESDEDEDFK | 1.2931 | 0.00813 | (9) Phospho (ST) |
| E1 04 1 | 2 | MHLPAESDEDEDFKFEQTR | 0.79942 | 0.06447 | (9) Phospho (ST) |
| E2 02 1 | 4 | MHLPAESDEDEDFKFEQTR | 0.81108 | 0.02305 | (9) Phospho (ST) |
| E1 02 1 | 3 | MHLPAESDEDEDFKFEQTR | 0.85583 | 0.04161 | (9) Phospho (ST) |
| E1 04 3 | 2 | MHLPAESDEDEDFKFEQTR | 0.85917 | 0.1037 | (9) Phospho (ST) |
| E1 01 3 | 4 | MHLPAESDEDEDFKFEQTR | 0.86083 | 0.00968 | (9) Phospho (ST) |
| E2 02 2 | 3 | MHLPAESDEDEDFKFEQTR | 0.86333 | 0.1203 | (9) Phospho (ST) |
| E1 02 2 | 3 | MHLPAESDEDEDFKFEQTR | 0.865 | 0.04911 | (9) Phospho (ST) |
| E2 02 1 | 3 | MHLPAESDEDEDFKFEQTR | 0.8675 | 0.09575 | (9) Phospho (ST) |
| E1 02 1 | 3 | MHLPAESDEDEDFKFEQTR | 1.24172 | 0.02276 | (9) Phospho (ST) |
| E2 02 3 | 3 | KAYSFCGTVYMAPEVNR | 0.88333 | 0.07935 | (4) Phospho (ST) |
| E1 03 2 | 2 | KDSDDDGGGWITPSNIK | 1.38583 | 0.3297 | (4) Phospho (ST) |
| E1 02 1 | 2 | KDLSLTOAQEQGNLLN | 0.94417 | 0.04835 | (3) Phospho (ST) |
| E2 04 2 | 2 | KEESEEDDDSEDEDEDEDEDEEPA | | | (4) Phospho (ST)(12) |
| | 3 | AMK | 1.14 | 0.02604 | Oxidation (M) |
| E1 03 3 | 3 | KEENADSDDEGELQDLLSQDWR | 0.96154 | 0.02011 | (8) Phospho (ST) |
| E1 03 1 | 3 | KEENADSDDEGELQDLLSQDWR | 0.96917 | 0.01312 | (8) Phospho (ST) |
| E1 03 2 | 3 | KEENADSDDEGELQDLLSQDWR | 1.03083 | 0.01998 | (8) Phospho (ST) |
| E1 03 1 | 2 | KEESEESDDMGFLFD | 0.96917 | 0.00558 | (4) Phospho (ST) |
| E2 03 2 | 2 | KEESEESDDMGFLFD | 0.885 | 0.01186 | Phospho (ST) |
| E1 03 2 | 2 | KEESEESDDMGFLFD | 0.88667 | 0.00725 | Phospho (ST) |
| E1 03 1 | 2 | KEESEESDDMGFLFD | 0.8875 | 0.00748 | Phospho (ST) |
| E2 03 | 2 | KEESEESDDMGFLFD | 1.35993 | 0.01607 | Phospho (ST)(7) |
| E1 03 1 | 2 | KEESEESDDMGFLFD | 0.94083 | 0.00822 | Phospho (ST)(11) |
| E2 03 1 | 2 | KEESEESDDMGFLFD | 0.9525 | 0.01367 | Oxidation (M) |
| E1 03 2 | 2 | KEESEESDDMGFLFD | 0.96667 | 0.00437 | (7) Phospho (ST) |
| E1 03 1 | 2 | KEESEESDDMGFLFD | 0.97167 | 0.00649 | (7) Phospho (ST) |
| E1 03 2 | 2 | KETESEADNLDLEK | 0.9325 | 0.05278 | Phospho (ST) |
| E2 03 2 | 2 | KETESEADNLDLEK | 1.00333 | 0.04145 | Phospho (ST) |
| E2 03 1 | 2 | KETESEADNLDLEK | 1.01083 | 0.04158 | Phospho (ST) |
| E2 03 | 2 | KETESEADNLDLEK | 1.05263 | 0.01736 | Phospho (ST) |
| E1 03 2 | 2 | KETESEADNLDLEK | 0.79783 | 0.03529 | (5) Phospho (ST) |
| E2 03 2 | 2 | KETESEADNLDLEK | 0.82717 | 0.02792 | (5) Phospho (ST) |
| E2 03 1 | 2 | KETESEADNLDLEK | 0.84167 | 0.01554 | (5) Phospho (ST) |
| E1 03 1 | 2 | KETESEADNLDLEK | 0.85917 | 0.01715 | (5) Phospho (ST) |
| E1 01 1 | 3 | KETESEADNLDLEK | 0.94 | 0.07073 | (5) Phospho (ST) |
| E1 01 1 | 3 | KFSKEEVPSSGPEAVGK | 1.18667 | 0.0796 | (10) Phospho (ST) |
| E2 01 2 | 3 | KFSKEEVPSSGPEAVGK | 1.24 | 0.05001 | Phospho (ST) |
| E1 02 2 | 3 | KGGFDEFVNDTDDDLPIK | 1.13833 | 0.02937 | (13) Phospho (ST) |
| E2 03 1 | 3 | KGGSYQAASSDSAQSDVSLTACKV | 0.58775 | 0.0335 | Phospho (ST) |
| E2 03 2 | 3 | KGGSYQAASSDSAQSDVSLTACKV | 0.61183 | 0.04316 | Phospho (ST) |
| E1 02 | 3 | KGNAEGSSDEEGKLVDEPAK | 0.87209 | 0.02116 | Phospho (ST) |
| E1 02 1 | 3 | KGNAEGSSDEEGKLVDEPAK | 0.8975 | 0.0632 | Phospho (ST) |
| E1 01 1 | 2 | KGFSALVGR | 0.94333 | 0.04046 | (3) Phospho (ST) |
| E1 01 3 | 2 | KGFSALVGR | 0.94833 | 0.0326 | (3) Phospho (ST) |
| E2 01 1 | 2 | KGFSALVGR | 1.00667 | 0.0735 | (3) Phospho (ST) |
| E2 01 2 | 2 | KGFSALVGR | 1.0175 | 0.04425 | (3) Phospho (ST) |
| E1 02 1 | 2 | KGFSALVGR | 1.32392 | 0.3718 | (3) Phospho (ST) |
| E1 02 2 | 3 | KGSVVNVPNTNRPQSDTPEIR | 1.1375 | 0.01365 | (3) Phospho (ST) |
| E2 02 1 | 3 | KGSVVNVPNTNRPQSDTPEIR | 1.165 | 0.01728 | (3) Phospho (ST) |
| E2 02 2 | 3 | KGSVVNVPNTNRPQSDTPEIR | 1.17667 | 0.01985 | (3) Phospho (ST) |
| E2 02 | 3 | KGSVVNVPNTNRPQSDTPEIR | 1.21065 | 0.0286 | (3) Phospho (ST) |
| E2 02 2 | 4 | KITPPSPHSLTSLVSLGHEEALEMAGSK | 0.88333 | 0.01919 | Phospho (ST) |
| E2 02 2 | 3 | KKSEPDDELLFDLNSOK | 0.81958 | 0.1201 | (3) Phospho (ST) |
| E2 02 1 | 3 | KKSEPDDELLFDLNSOK | 0.85333 | 0.09421 | (3) Phospho (ST) |
| E1 02 1 | 3 | KKSPNELVDDLFLK | 1.0325 | 0.01634 | (3) Phospho (ST) |
| E1 01 1 | 3 | KKSPNELVDDLFLK | 1.05333 | 0.01249 | (3) Phospho (ST) |
| E1 01 3 | 3 | KKSPNELVDDLFLK | 1.0675 | 0.00787 | (3) Phospho (ST) |
| E1 01 1 | 3 | KKSPNELVDDLFLK | 1.09167 | 0.0117 | (3) Phospho (ST) |
| E1 02 1 | 3 | KLGDVSPQTQDVQFSGFK | 1.19083 | 0.02069 | (6) Phospho (ST) |
| E1 01 3 | 2 | KLGVSVSPSR | 1.11083 | 0.1137 | (7) Phospho (ST) |
| E2 02 2 | 3 | KLPVDSVFNKFEDESDDVPR | 0.945 | 0.1256 | (16) Phospho (ST) |
| E2 02 1 | 3 | KLPVDSVFNKFEDESDDVPR | 1.07917 | 0.1589 | (16) Phospho (ST) |
| E1 01 1 | 3 | KLSCSLEDLRSSEVDK | 1.005 | 0.02492 | (5) Phospho (ST) |
| E1 01 3 | 3 | KLSCSLEDLRSSEVDK | 1.0125 | 0.02614 | (5) Phospho (ST) |
| E2 01 2 | 3 | KLSDQMLPTTVDYSSVPK | 0.68733 | 0.01418 | (3) Phospho (ST) |
| E1 01 3 | 3 | KLSDQMLPTTVDYSSVPK | 0.75717 | 0.02108 | (3) Phospho (ST) |
| E2 04 1 | 2 | KLSDQMLPTTVDYSSVPK | 0.79592 | 0.01702 | (3) Phospho (ST) |
| E1 01 1 | 3 | KLSDQMLPTTVDYSSVPK | 1.17371 | 0.01446 | (3) Phospho (ST) |
| E1 01 3 | 3 | KLSDQMLPTTVDYSSVPK | 1.41376 | 0.0133 | (3) Phospho (ST) |
| E2 01 2 | 3 | KLSLGQYNDAGGQLPFSK | 1 | 0.03562 | (3) Phospho (ST) |
| E2 01 1 | 3 | KLSLGQYNDAGGQLPFSK | 1.03306 | 0.02341 | (3) Phospho (ST) |
| E2 01 1 | 3 | KLSPDLTKPDLVK | 1.06833 | 0.1106 | (3) Phospho (ST) |
| E2 01 1 | 3 | KLSPQDPSSEVSSVDPLK | 0.71825 | 0.05548 | (3) Phospho (ST) |
| E2 01 2 | 3 | KLSPQDPSSEVSSVDPLK | 0.79808 | 0.06899 | (3) Phospho (ST) |
| E1 01 1 | 3 | KLSPQDPSSEVSSVDPLK | 0.96167 | 0.02264 | (3) Phospho (ST) |
| E1 01 3 | 3 | KLSPQDPSSEVSSVDPLK | 0.9725 | 0.0119 | (3) Phospho (ST) |
| E2 01 2 | 3 | KLSPQDPSSEVSSVDPLK | 0.79808 | 0.06899 | (8) Phospho (ST) |
| E1 01 1 | 3 | KLSPQDPSSEVSSVDPLK | 0.96167 | 0.02264 | (8) Phospho (ST) |
| E2 02 1 | 3 | KLSVPTSDEEDEVPAKPR | 1.38 | 0.01639 | Phospho (ST)(6) |
| E2 04 2 | 2 | KLSVPTSDEEDEVPAKPR | 1.395 | 0.01793 | Phospho (ST)(6) |
| E2 04 1 | 2 | KLSVPTSDEEDEVPAKPR | 1.41083 | 0.01729 | Phospho (ST) |

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|---------|---|------------------------------|---------|---------|---------------------|
| E2 04 | 2 | KLSVPTSDEEDEVPAKPR | 0.7515 | 0.01508 | (6) Phospho (ST)(7) |
| E2 02 | 3 | KLSVPTSDEEDEVPAKPR | 0.79872 | 0.01122 | (6) Phospho (ST)(7) |
| E1 04 | 2 | KLSVPTSDEEDEVPAKPR | 0.88183 | 0.09117 | (6) Phospho (ST)(7) |
| E1 04 1 | 2 | KLSVPTSDEEDEVPAKPR | 0.9525 | 0.05833 | (6) Phospho (ST)(7) |
| E1 01 3 | 4 | KLSVPTSDEEDEVPAKPR | 1.02083 | 0.03492 | (6) Phospho (ST)(7) |
| E2 04 2 | 2 | KLSVPTSDEEDEVPAKPR | 1.03 | 0.03721 | (6) Phospho (ST)(7) |
| E2 02 1 | 3 | KLSVPTSDEEDEVPAKPR | 1.11917 | 0.01308 | (6) Phospho (ST)(7) |
| E1 02 1 | 3 | KLSVPTSDEEDEVPAKPR | 1.1425 | 0.01383 | (6) Phospho (ST)(7) |
| E1 02 2 | 3 | KLSVPTSDEEDEVPAKPR | 1.15583 | 0.01556 | (6) Phospho (ST)(7) |
| E2 04 1 | 2 | KLSVPTSDEEDEVPAKPR | 1.23333 | 0.04505 | (6) Phospho (ST)(7) |
| E2 03 2 | 3 | KNFTAWSDEESDYEDDRDVNK | 1.00583 | 0.0292 | Phospho (ST) |
| E1 04 | 2 | KPATPAEDEDDEDDIDFGSDNEEEDK | 0.71463 | 0.01313 | (19) Phospho (ST) |
| E2 03 | 3 | KPATPAEDEDDEDDIDFGSDNEEEDK | 0.75605 | 0.02805 | (19) Phospho (ST) |
| E1 03 | 3 | KPATPAEDEDDEDDIDFGSDNEEEDK | 1.05634 | 0.03902 | (19) Phospho (ST) |
| E2 03 1 | 3 | KPATPAEDEDDEDDIDFGSDNEEEDK | 1.14833 | 0.07305 | (19) Phospho (ST) |
| E1 04 1 | 2 | KPATPAEDEDDEDDIDFGSDNEEEDK | 1.19 | 0.02313 | (19) Phospho (ST) |
| E1 04 2 | 2 | KPATPAEDEDDEDDIDFGSDNEEEDK | 1.19083 | 0.01941 | (19) Phospho (ST) |
| E1 03 1 | 3 | KPATPAEDEDDEDDIDFGSDNEEEDK | 1.295 | 0.02227 | (19) Phospho (ST) |
| E1 03 2 | 3 | KPATPAEDEDDEDDIDFGSDNEEEDK | 1.37417 | 0.027 | (19) Phospho (ST) |
| E1 04 | 3 | KPATPAEDEDDEDDIDFGSDNEEEDK | 0.7837 | 0.00973 | (19) Phospho (ST) |
| E1 03 | 4 | KPATPAEDEDDEDDIDFGSDNEEEDK | 0.8161 | 0.01606 | (19) Phospho (ST) |
| E1 03 2 | 4 | KPATPAEDEDDEDDIDFGSDNEEEDK | 1.22083 | 0.00609 | (19) Phospho (ST) |
| E1 03 1 | 4 | KPATPAEDEDDEDDIDFGSDNEEEDK | 1.2475 | 0.00847 | (19) Phospho (ST) |
| E2 04 2 | 3 | KPATPAEDEDDEDDIDFGSDNEEEDK | 1.295 | 0.01914 | (19) Phospho (ST) |
| E1 04 1 | 3 | KPATPAEDEDDEDDIDFGSDNEEEDK | 1.3425 | 0.01159 | (19) Phospho (ST) |
| E1 03 2 | 4 | KPATPAEDEDDEDDIDFGSDNEEEDK | 1.40917 | 0.0249 | Phospho (ST) |
| E2 02 1 | 3 | KPSPAQAAPALEPLPVPAPAPL | 1.15083 | 0.0088 | (3) Phospho (ST) |
| E1 02 2 | 3 | KPYRESDEEEDFENVGK | 1.35833 | 0.04468 | (7) Phospho (ST) |
| E2 02 | 2 | KOSLGLKGLTNAAK | 0.90744 | 0.0216 | (3) Phospho (ST) |
| E2 01 2 | 3 | KOSLGLKGLTNAAK | 0.96333 | 0.01277 | (3) Phospho (ST) |
| E2 02 2 | 2 | KOSLGLKGLTNAAK | 0.97 | 0.0149 | (3) Phospho (ST) |
| E2 01 1 | 3 | KOSLGLKGLTNAAK | 0.975 | 0.0106 | (3) Phospho (ST) |
| E2 02 1 | 2 | KOSLGLKGLTNAAK | 1.0025 | 0.01244 | (3) Phospho (ST) |
| E1 01 | 3 | KTSANETEDHLESICK | 1.07296 | 0.04354 | (3) Phospho (ST) |
| E1 01 1 | 3 | KTSANETEDHLESICK | 1.14 | 0.0195 | (3) Phospho (ST) |
| E1 01 3 | 3 | KTSANETEDHLESICK | 1.14583 | 0.01973 | (3) Phospho (ST) |
| E2 03 2 | 3 | KVEEDLKADEPSSEESDLEDK | 1.1275 | 0.02354 | Phospho (ST) |
| E2 03 1 | 3 | KVEEDLKADEPSSEESDLEDK | 1.1325 | 0.01874 | Phospho (ST) |
| E1 01 1 | 3 | KVQVAALQASPLDQDDR | 1.19333 | 0.03661 | (10) Phospho (ST) |
| E2 01 2 | 3 | KVQVAALQASPLDQDDR | 1.45667 | 0.04439 | (10) Phospho (ST) |
| E2 01 2 | 3 | KVNSKPVLYR | 0.95417 | 0.0232 | (3) Phospho (ST) |
| E2 01 1 | 3 | KVNSKPVLYR | 0.96917 | 0.04724 | (3) Phospho (ST) |
| E2 02 1 | 3 | KVVDYSQFQESDDADEYGR | 1.08833 | 0.01685 | (11) Phospho (ST) |
| E2 04 2 | 2 | KVVDYSQFQESDDADEYGR | 1.08917 | 0.02435 | (11) Phospho (ST) |
| E2 04 1 | 2 | KVVDYSQFQESDDADEYGR | 1.09 | 0.01869 | (11) Phospho (ST) |
| E2 02 2 | 3 | KVVDYSQFQESDDADEYGR | 1.1025 | 0.01429 | (11) Phospho (ST) |
| E2 02 2 | 4 | KVVDYSQFQESDDADEYGRDGSPPTK | 0.98917 | 0.11 | (11) Phospho (ST) |
| E2 03 1 | 3 | KVVDYSQFQESDDADEYGRDGSPPTK | 1.16083 | 0.0223 | (11) Phospho (ST) |
| E2 03 2 | 3 | KVVDYSQFQESDDADEYGRDGSPPTK | 1.18417 | 0.02754 | (11) Phospho (ST) |
| E2 02 1 | 4 | KVVDYSQFQESDDADEYGRDGSPPTK | 5.00167 | 0.196 | Phospho (Y) |
| E2 04 1 | 3 | LASPSGSSGLVVAPEGTSAPGGPGTLDD | 1.275 | 0.0155 | (9) Phospho (ST) |
| E2 04 2 | 2 | LCDFGSASHVADNITPVLVSR | 1.01833 | 0.02505 | (18) Phospho (Y) |
| E1 01 1 | 2 | LCLSTVDLEVK | 0.7415 | 0.06058 | (4) Phospho (ST) |
| E1 01 3 | 2 | LCLSTVDLEVK | 0.77392 | 0.05855 | (4) Phospho (ST) |
| E1 01 | 2 | LDDSPPIAR | 0.6643 | 0.1474 | (5) Phospho (ST) |
| E1 02 | 3 | LDNTPASPPRSPAEPNDPIAK | 0.75113 | 0.02308 | Phospho (ST) |
| E1 03 1 | 3 | LEDSEVRVASNOSEMEFFSLQDMPK | 1.17667 | 0.01715 | Phospho (ST) |
| E1 03 2 | 2 | LEEPELNRQSPNPR | 0.90833 | 0.02838 | (11) Phospho (ST) |
| E2 01 1 | 3 | LEEPELNRQSPNPR | 0.9325 | 0.02339 | (11) Phospho (ST) |
| E2 01 2 | 3 | LEEPELNRQSPNPR | 0.95083 | 0.0365 | (11) Phospho (ST) |
| E1 01 1 | 3 | LEEPELNRQSPNPR | 0.9525 | 0.0395 | (11) Phospho (ST) |
| E1 01 | 3 | LEEPELNRQSPNPR | 0.99867 | 0.01262 | (11) Phospho (ST) |
| E1 03 | 3 | LESTARPSSESEEFLEEPEQR | 0.80472 | 0.04336 | Phospho (ST) |
| E1 03 2 | 3 | LESTARPSSESEEFLEEPEQR | 1.24083 | 0.05594 | Phospho (ST) |
| E1 03 1 | 3 | LESTARPSSESEEFLEEPEQR | 1.2725 | 0.0398 | Phospho (ST) |
| E1 02 2 | 3 | LESTARPSSESEEFLEEPEQR | 1.42583 | 0.05776 | (11) Phospho (ST) |
| E1 02 1 | 3 | LESTARPSSESEEFLEEPEQR | 1.43333 | 0.06375 | (11) Phospho (ST) |
| E1 02 2 | 3 | LESTARPSSESEEFLEEPEQR | 1.42583 | 0.05776 | (4) Phospho (ST) |
| E1 02 1 | 3 | LESTARPSSESEEFLEEPEQR | 1.43333 | 0.06375 | (4) Phospho (ST) |
| E2 01 1 | 3 | LETGAPRPPATV/NAVSWR | 0.8185 | 0.03057 | Phospho (ST) |
| E2 01 2 | 3 | LETGAPRPPATV/NAVSWR | 0.85417 | 0.05144 | Phospho (ST) |
| E2 01 | 3 | LETGAPRPPATV/NAVSWR | 1.03878 | 0.03746 | Phospho (ST) |
| E1 01 | 3 | LETGAPRPPATV/NAVSWR | 1.41911 | 0.07886 | Phospho (ST) |

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|---------|------------------------------------|---------|---------|--------------------------------------------------------------------------------|--|--|--|
| E1 04 3 | 2 LFPEFDDSDYDEVPEEGGAPAR | 0.915 | 0.02977 | (8) Phospho (ST) | | | |
| E1 04 1 | 2 LFPEFDDSDYDEVPEEGGAPAR | 0.96667 | 0.03011 | (8) Phospho (ST) | | | |
| E2 01 2 | 3 LFRPPSPAPAAPGAR | 1.17833 | 0.01562 | (6) Phospho (ST) | | | |
| E2 01 1 | 3 LFRPPSPAPAAPGAR | 1.2475 | 0.02465 | (6) Phospho (ST) | | | |
| E2 01 2 | 2 LGAGALNAGSYASLGR | 1.065 | 0.0292 | (13) Phospho (ST) | | | |
| E2 02 2 | 2 LGAGALNAGSYASLGR | 1.065 | 0.02997 | (13) Phospho (ST) | | | |
| E2 02 2 | 2 LGAPENSGISTLER | 0.68267 | 0.03485 | (11) Phospho (ST) | | | |
| E2 02 1 | 2 LGAPENSGISTLER | 0.71083 | 0.03675 | (11) Phospho (ST) | | | |
| E1 02 1 | 2 LGAPENSGISTLER | 0.80592 | 0.01661 | (11) Phospho (ST) | | | |
| E1 02 2 | 2 LGAPENSGISTLER | 0.82142 | 0.02049 | (11) Phospho (ST) | | | |
| E2 02 | 2 LGAPENSGISTLER | 1.15296 | 0.01841 | (11) Phospho (ST) | | | |
| E1 02 | 2 LGAPENSGISTLER | 1.16009 | 0.01151 | (11) Phospho (ST) | | | |
| E1 01 1 | 3 LGGLRPESPELTSVSR | 1.0925 | 0.05152 | (8) Phospho (ST) | | | |
| E2 01 2 | 3 LGGLRPESPELTSVSR | 1.095 | 0.01808 | (8) Phospho (ST) | | | |
| E1 01 3 | 3 LGGLRPESPELTSVSR | 1.11333 | 0.03719 | (8) Phospho (ST) | | | |
| E2 01 1 | 3 LGGLRPESPELTSVSR | 1.11333 | 0.01656 | (8) Phospho (ST) | | | |
| E2 03 2 | 3 LGPGRPLTFPTSECTSDVEPDTR | 0.95417 | 0.03431 | (13) Phospho (ST) | | | |
| E2 02 1 | 3 LGPGRPLTFPTSECTSDVEPDTR | 0.89917 | 0.03817 | (17) Phospho (ST) | | | |
| E2 01 3 | 3 LGPGRPLTFPTSECTSDVEPDTR | 0.935 | 0.0623 | (17) Phospho (ST) | | | |
| E2 02 2 | 3 LGPGRPLTFPTSECTSDVEPDTR | 0.94083 | 0.05156 | (17) Phospho (ST) | | | |
| E2 03 2 | 3 LGPGRPLTFPTSECTSDVEPDTR | 0.95417 | 0.03431 | (17) Phospho (ST) | | | |
| E2 02 | 3 LGPGRPLTFPTSECTSDVEPDTR | 1.26796 | 0.02864 | (17) Phospho (ST) | | | |
| E1 03 1 | 4 LGPQNFDIETSDENLLKEEDYKEENNSDK | 1.125 | 0.01579 | (11) Phospho (ST) | | | |
| E1 01 3 | 2 LGSVDSFER | 1.0575 | 0.07152 | (3) Phospho (ST) | | | |
| E1 01 | 2 LGVSVSPSR | 0.94997 | 0.06239 | (6) Phospho (ST) | | | |
| E1 01 1 | 2 LGVSVSPSR | 1.21 | 0.0348 | (6) Phospho (ST) | | | |
| E1 01 3 | 2 LGVSVSPSR | 1.21333 | 0.03904 | (6) Phospho (ST) | | | |
| E1 03 2 | 2 LHSSNPMLSTLDFGEEK | 0.83583 | 0.05237 | (4) Phospho (ST) | | | |
| E1 01 3 | 2 LHSSNPMLSTLDFGEEK | 0.84167 | 0.05357 | (4) Phospho (ST) | | | |
| E1 01 3 | 3 LHSSNPMLSTLDFGEEK | 0.86667 | 0.01196 | (4) Phospho (ST) | | | |
| E2 01 | 2 LIPGLSPVAR | 0.91352 | 0.05286 | (7) Phospho (ST) | | | |
| E2 01 2 | 2 LIPGLSPVAR | 1.09833 | 0.00922 | (7) Phospho (ST) | | | |
| E2 01 1 | 2 LIPGLSPVAR | 1.1225 | 0.01101 | (7) Phospho (ST) | | | |
| E1 01 | 2 LISQVSSITASLR | 1.1194 | 0.0595 | | | | |
| E1 01 1 | 2 LIVENSSR | 0.96083 | 0.03454 | (8) Phospho (ST) | | | |
| E2 01 1 | 2 LIVENSSR | 0.99417 | 0.02262 | (8) Phospho (ST) | | | |
| E2 01 2 | 2 LIVENSSR | 1.03583 | 0.03306 | (8) Phospho (ST) | | | |
| E2 01 2 | 3 LKDLFDYSPPLHK | 0.91583 | 0.00786 | (8) Phospho (ST) | | | |
| E2 01 1 | 3 LKDLFDYSPPLHK | 0.92417 | 0.00882 | (8) Phospho (ST) | | | |
| E1 01 3 | 3 LLDHMAPPVADQASPR | 1.27417 | 0.05067 | (15) Phospho (ST) | | | |
| E2 01 2 | 3 LLDHMAPPVADQASPR | 1.38167 | 0.06083 | (15) Phospho (ST) | | | |
| E1 01 1 | 2 LLNQDASER | 0.32708 | 0.1209 | (8) Phospho (ST) | | | |
| E2 01 2 | 4 LLKGEPEPTVSDDEEPPKDESAR | 0.80975 | 0.04447 | (12) Phospho (ST) | | | |
| E2 03 2 | 3 LLKGEPEPTVSDDEEPPKDESAR | 0.81283 | 0.009 | (12) Phospho (ST) | | | |
| E2 03 1 | 3 LLKGEPEPTVSDDEEPPKDESAR | 0.82567 | 0.02254 | (12) Phospho (ST) | | | |
| E1 03 2 | 3 LLKGEPEPTVSDDEEPPKDESAR | 0.84333 | 0.01564 | (12) Phospho (ST) | | | |
| E1 01 1 | 3 LLKGEPEPTVSDDEEPPKDESAR | 0.70108 | 0.08546 | (12) Phospho (ST) | | | |
| E2 01 1 | 3 LLKGEPEPTVSDDEEPPKDESAR | 0.73083 | 0.04253 | (12) Phospho (ST) | | | |
| E2 01 2 | 3 LLKGEPEPTVSDDEEPPKDESAR | 0.73817 | 0.04722 | (12) Phospho (ST) | | | |
| E1 03 1 | 3 LLKGEPEPTVSDDEEPPKDESAR | 0.76725 | 0.06584 | (12) Phospho (ST) | | | |
| E2 01 | 3 LLKGEPEPTVSDDEEPPKDESAR | 1.1839 | 0.01576 | (12) Phospho (ST) | | | |
| E1 01 | 3 LLKGEPEPTVSDDEEPPKDESAR | 1.19522 | 0.01572 | (12) Phospho (ST) | | | |
| E1 03 | 2 LLKGEPEPTVSDDEEPPKDESAR | 1.31349 | 0.03731 | (12) Phospho (ST) | | | |
| E2 03 | 2 LLKGEPEPTVSDDEEPPKDESAR | 1.31579 | 0.01404 | (12) Phospho (ST) | | | |
| E2 01 1 | 3 LLLERPSPDR | 0.91 | 0.01082 | (7) Phospho (ST) | | | |
| E2 01 1 | 2 LLSPLSAR | 1.01583 | 0.07445 | (3) Phospho (ST) | | | |
| E2 01 1 | 3 LNHVAAGLVSPSLK | 0.91917 | 0.09122 | (10) Phospho (ST) | | | |
| E1 04 3 | 3 LQEEQDGGSDSDERDRAGPAPPASDGDVQDVK | 1.24667 | 0.02953 | (9) Phospho (ST),(10) Phospho (ST) | | | |
| E2 01 2 | 3 LSGQNAMGSDSLLLEIFR | 0.80175 | 0.04075 | (9) Phospho (ST),(12) Phospho (ST) | | | |
| E2 01 1 | 2 LSSMAMISGLSGR | 0.96667 | 0.07666 | (3) Phospho (ST) | | | |
| E1 01 3 | 2 LSSPVLHR | 0.88583 | 0.04013 | (3) Phospho (ST) | | | |
| E1 02 | 2 LSSDDGYDLQFK | 1.14504 | 0.06183 | (3) Phospho (ST) | | | |
| E1 02 | 2 LSSDDGYDLQFK | 1.14504 | 0.06183 | (4) Phospho (ST) | | | |
| E1 01 1 | 3 LSVPTSDEEDEVPAKPR | 0.81933 | 0.06433 | (5) Phospho (ST),(6) Phospho (ST) | | | |
| E1 01 3 | 3 LSVPTSDEEDEVPAKPR | 0.89083 | 0.06353 | (5) Phospho (ST),(6) Phospho (ST) | | | |
| E2 01 | 3 LSVPTSDEEDEVPAKPR | 0.9772 | 0.07052 | (5) Phospho (ST) | | | |
| E1 01 3 | 3 LSVPTSDEEDEVPAKPR | 0.7095 | 0.03094 | (6) Phospho (ST) | | | |
| E1 03 | 2 LSVPTSDEEDEVPAKPR | 1.28535 | 0.08185 | (6) Phospho (ST) | | | |
| E2 01 2 | 3 LSVVPVQVTDDEDRLSR | 0.73958 | 0.1069 | (16) Phospho (ST) | | | |
| E1 01 1 | 3 LVHDSLEDLOMTR | 0.76867 | 0.03949 | (5) Phospho (ST) | | | |
| E1 01 3 | 3 LVHDSLEDLOMTR | 0.80375 | 0.05046 | (5) Phospho (ST) | | | |
| E2 02 2 | 3 LVHSGPKGSPQAGVGLSFAFR | 0.68433 | 0.03216 | (10) Phospho (ST) | | | |
| E2 02 1 | 3 LVHSGPKGSPQAGVGLSFAFR | 0.69492 | 0.02655 | (10) Phospho (ST) | | | |
| E2 01 | 3 LVNGNPITFQERDPSK | 1.18297 | 0.03291 | (17) Phospho (ST) | | | |
| E2 03 1 | 2 LVNGNPITFQERDPSK | 0.83417 | 0.3824 | (NO),(17) Phospho (ST) | | | |
| E2 01 2 | 3 LVNGNPITFQERDPSK | 1.025 | 0.02369 | (NO),(17) Phospho (ST) | | | |
| E2 01 1 | 3 LVNGNPITFQERDPSK | 1.0275 | 0.01881 | (NO),(17) Phospho (ST) | | | |
| E2 01 | 3 LVNGNPITFQERDPSK | 1.18671 | 0.02377 | (NO),(17) Phospho (ST) | | | |
| E2 02 2 | 3 LVNGNPITFQERDPSK | 1.3925 | 0.1067 | (NO),(17) Phospho (ST) | | | |
| E2 03 2 | 3 MAPTPPTRSPSDSSTASTPVAEQIER | 1.1 | 0.02967 | (1) Oxidation (M),(12) Phospho (ST) | | | |
| E1 03 1 | 3 MAPTPPTRSPSDSSTASTPVAEQIER | 1.16583 | 0.0377 | (1) Oxidation (M),(12) Phospho (ST) | | | |
| E1 03 2 | 3 MAPTPPTRSPSDSSTASTPVAEQIER | 1.1025 | 0.02334 | (1) Oxidation (M),(16) Phospho (ST) | | | |
| E2 03 1 | 3 MAPTPPTRSPSDSSTASTPVAEQIER | 1.15583 | 0.03486 | (1) Oxidation (M),(16) Phospho (ST) | | | |
| E2 03 | 3 MERDSSEEEEEEDDEER | 1.07219 | 0.05421 | (6) Phospho (ST),(7) Phospho (ST) | | | |
| E2 03 | 3 MGQAPSQLLPQAQDQPRSPVSAFSDQSR | 1.18203 | 0.03601 | (1) Oxidation (M),(19) Phospho (ST) | | | |
| E2 03 2 | 3 MGQAPSQLLPQAQDQPRSPVSAFSDQSR | 0.98833 | 0.0291 | (19) Phospho (ST) | | | |
| E2 03 | 3 MAEDESDEESVSDTKTELQNTLR | 0.89286 | 0.0392 | (1) Oxidation (M),(5) Phospho (ST),(8) Phospho (ST) | | | |
| E1 03 | 3 MAEDESDEESVSDTKTELQNTLR | 0.92025 | 0.01333 | (1) Oxidation (M),(5) Phospho (ST) | | | |
| E1 03 2 | 3 MAEDESDEESVSDTKTELQNTLR | 1.12083 | 0.01872 | (1) Oxidation (M),(5) Phospho (ST),(8) Phospho (ST) | | | |
| E1 03 1 | 3 MAEDESDEESVSDTKTELQNTLR | 1.12583 | 0.02019 | (1) Oxidation (M),(5) Phospho (ST),(8) Phospho (ST) | | | |
| E1 03 2 | 3 MAEDESDEESVSDTKTELQNTLR | 1.04167 | 0.02032 | (5) Phospho (ST),(8) Phospho (ST) | | | |
| E1 01 1 | 3 MPQDGSDDDEKWEPTLEK | 0.8975 | 0.03286 | (6) Phospho (ST) | | | |
| E1 01 3 | 3 MPQDGSDDDEKWEPTLEK | 0.995 | 0.03066 | (6) Phospho (ST) | | | |
| E1 01 | 3 MPQDGSDDDEKWEPTLEK | 1.08225 | 0.05912 | (6) Phospho (ST) | | | |
| E2 01 1 | 3 MSCFSRPSMSPPLDR | 0.81408 | 0.08739 | (1) Oxidation (M),(5) Phospho (ST) | | | |
| E1 01 1 | 3 MSCFSRPSMSPPLDR | 0.9475 | 0.04089 | (1) Oxidation (M),(8) Phospho (ST),(10) Phospho (ST) | | | |
| E1 01 3 | 3 MSCFSRPSMSPPLDR | 0.98667 | 0.03376 | (1) Oxidation (M),(8) Phospho (ST),(10) Phospho (ST) | | | |
| E2 01 1 | 3 MSCFSRPSMSPPLDR | 0.82 | 0.04817 | (8) Phospho (ST),(10) Phospho (ST) | | | |
| E1 02 | 2 MYSDVLEEK | 0.57099 | 0.04553 | (1) Oxidation (M),(3) Phospho (ST) | | | |
| E2 03 1 | 3 NADDEVSSDIEAIVASSNFITGK | 0.85833 | 0.01878 | (9) Phospho (ST) | | | |
| E2 03 2 | 3 NADDEVSSDIEAIVASSNFITGK | 0.9175 | 0.04656 | (9) Phospho (ST) | | | |
| E2 01 1 | 3 NDARSPGSISYLPFFTK | 0.86917 | 0.01833 | (5) Phospho (ST) | | | |
| E1 02 | 3 NDSDLFGLLEEGAPKESSEEGK | 0.79702 | 0.09954 | (19) Phospho (ST) | | | |
| E1 01 3 | 2 NDSWGSFDR | 0.86167 | 0.05111 | (3) Phospho (ST) | | | |
| E2 01 2 | 2 NDSWGSFDR | 0.8675 | 0.05924 | (3) Phospho (ST) | | | |
| E1 01 2 | 2 NDSWGSFDR | 1.37489 | 0.01738 | (3) Phospho (ST) | | | |
| E2 01 1 | 2 NFSAAKSLK | 0.39067 | 0.265 | (3) Phospho (ST),(7) Phospho (ST) | | | |
| E2 01 2 | 2 NFSAAKSLK | 0.41383 | 0.2851 | (3) Phospho (ST),(7) Phospho (ST) | | | |
| E1 01 3 | 2 NFSAAKSLK | 0.52058 | 0.1095 | (3) Phospho (ST),(7) Phospho (ST) | | | |
| E1 01 1 | 2 NFSAAKSLK | 0.53375 | 0.08464 | (3) Phospho (ST) | | | |
| E1 03 1 | 2 NGLASQSPAGNLDNSK | 0.64517 | 0.07675 | (9) Phospho (ST) | | | |
| E1 03 2 | 2 NGLASQSPAGNLDNSK | 0.7415 | 0.1236 | (9) Phospho (ST) | | | |
| E2 03 2 | 3 NGLHRPVSTDFAQYNSYDVGSGVGR | 0.9725 | 0.02297 | (1) Deamidated (NO),(16) Phospho (ST) | | | |
| E2 03 1 | 3 NGLHRPVSTDFAQYNSYDVGSGVGR | 1.0125 | 0.03395 | (1) Deamidated (NO),(16) Phospho (ST) | | | |
| E1 03 3 | 3 NGNGGPGYVQAGTATLPR | 0.93 | 0.03534 | (1) Deamidated (NO),(3) Deamidated (NO),(12) Deamidated (NO),(17) Phospho (ST) | | | |
| E1 01 1 | 3 NGNGGPGYVQAGTATLPR | 0.86667 | 0.03586 | (1) Deamidated (NO),(3) Deamidated (NO),(17) Phospho (ST) | | | |
| E1 03 2 | 2 NGNGGPGYVQAGTATLPR | 0.89583 | 0.01832 | (1) Deamidated (NO),(3) Deamidated (NO),(17) Phospho (ST) | | | |
| E1 03 1 | 2 NGNGGPGYVQAGTATLPR | 0.8975 | 0.02398 | (1) Deamidated (NO),(3) Deamidated (NO),(17) Phospho (ST) | | | |
| E1 01 3 | 3 NGNGGPGYVQAGTATLPR | 0.93583 | 0.03458 | (1) Deamidated (NO),(3) Deamidated (NO),(17) Phospho (ST) | | | |
| E2 01 1 | 3 NGRVEIANDQGNR | 0.72317 | 0.04279 | (1) Deamidated (NO) | | | |
| E1 01 3 | 3 NGRVEIANDQGNR | 0.757 | 0.05777 | (1) Deamidated (NO) | | | |
| E1 03 1 | 3 NHSVNEEQEQQEGSEDEWEQVGR | 0.93 | 0.02189 | (16) Phospho (ST) | | | |
| E1 03 | 3 NHSVNEEQEQQEGSEDEWEQVGR | 0.96587 | 0.01875 | (16) Phospho (ST) | | | |
| E1 03 2 | 3 NHSVNEEQEQQEGSEDEWEQVGR | 0.99583 | 0.0217 | (16) Phospho (ST) | | | |
| E2 03 1 | 3 NHSVNEEQEQQEGSEDEWEQVGR | 1.09167 | 0.05182 | (16) Phospho (ST) | | | |
| E2 03 2 | 3 NHSVNEEQEQQEGSEDEWEQVGR | 1.11 | 0.05116 | (16) Phospho (ST) | | | |
| E2 01 1 | 2 NIEDVACGK | 0.84667 | 0.04456 | | | | |
| E2 01 2 | 2 NIEDVACGK | 0.9 | 0.0285 | | | | |
| E1 01 3 | 2 NIGSDPFR | 0.91583 | 0.0208 | (4) Phospho (ST) | | | |
| E1 02 | 3 NKLEGSDVDSELEDRVDGK | 1.01351 | 0.0925 | (7) Phospho (ST) | | | |
| E2 02 2 | 3 NKLEGSDVDSELEDRVDGK | 0.97 | 0.05021 | (7) Phospho (ST) | | | |
| E1 02 2 | 3 NKLEGSDVDSELEDRVDGK | 1.02583 | 0.02565 | (7) Phospho (ST),(11) Phospho (ST) | | | |
| E1 02 1 | 3 NKLEGSDVDSELEDRVDGK | 1.02833 | 0.01665 | (7) Phospho (ST),(11) Phospho (ST) | | | |
| E1 02 | 3 NKLEGSDVDSELEDRVDGK | 1.08069 | 0.02853 | (7) Phospho (ST),(11) Phospho (ST) | | | |
| E2 02 | 3 NKLEGSDVDSELEDRVDGK | 1.13895 | 0.03409 | (7) Phospho (ST) | | | |
| E1 03 | 2 NKPFGNIESGNEDDDASF | 0.78125 | 0.02043 | (9) Phospho (ST) | | | |
| E1 01 | 3 NKPFGNIESGNEDDDASF | 0.81655 | 0.01661 | (9) Phospho (ST) | | | |
| E1 03 1 | 2 NKPFGNIESGNEDDDASF | 1.09333 | 0.01308 | (9) Phospho (ST) | | | |
| E1 03 2 | 2 NKPFGNIESGNEDDDASF | 1.08417 | 0.02727 | (9) Phospho (ST) | | | |
| E2 03 1 | 2 NKPFGNIESGNEDDDASF | 1.1225 | 0.02874 | (9) Phospho (ST) | | | |
| E2 03 2 | 2 NKPFGNIESGNEDDDASF | 1.1775 | 0.02773 | (9) Phospho (ST) | | | |
| E1 01 3 | 2 NLASRESLUV | 0.96167 | 0.01885 | (5) Phospho (ST) | | | |
| E2 01 | 3 NLDERTPTYNLNR | 0.94518 | 0.04332 | | | | |
| E2 01 1 | 3 NLDERTPTYNLNR | 1.08167 | 0.09527 | | | | |
| E1 01 3 | 2 NLEQLNGGESP | 0.895 | 0.03446 | (11) Phospho (ST) | | | |

| | | | | | | | | | |
|---------|----------------------------------|---------|---------|---------------------------------------|--|--|--|--|--|
| E1 01 3 | 2 NLEQLNGGESPK | 0.92167 | 0.1604 | (7) Deamidated (NQ);(11) Phospho (ST) | | | | | |
| E1 01 | 2 NLEQLNGGESPK | 1.29534 | 0.05146 | (NQ);(11) Phospho (ST) | | | | | |
| E1 02 1 | 2 NLGSINTELDQVQR | 0.86667 | 0.03504 | (4) Phospho (ST) | | | | | |
| E1 02 2 | 2 NLGSINTELDQVQR | 0.8775 | 0.02195 | (4) Phospho (ST) | | | | | |
| E2 02 | 2 NLGSINTELDQVQR | 0.91333 | 0.03759 | (4) Phospho (ST) | | | | | |
| E1 02 | 2 NLGSINTELDQVQR | 1.53077 | 0.03517 | (4) Phospho (ST) | | | | | |
| E1 03 | 2 NLEDDSDDEEEDFFLR | 1.16913 | 0.02157 | (7) Phospho (ST) | | | | | |
| E2 02 2 | 3 NLLQYNSGEDLAVNIFPEK | 1.0175 | 0.06014 | (1) Deamidated (NQ);(8) Phospho (ST) | | | | | |
| E2 02 1 | 3 NLLQYNSGEDLAVNIFPEK | 1.16 | 0.06584 | (NQ);(8) Phospho (ST) | | | | | |
| E2 02 2 | 3 NLLQYNSGEDLAVNIFPEK | 0.87 | 0.02461 | (8) Phospho (ST) | | | | | |
| E1 01 3 | 2 NLSPPFFHEK | 0.94167 | 0.04353 | (3) Phospho (ST) | | | | | |
| E2 01 2 | 3 NLSPPFFHEK | 0.98667 | 0.0205 | (3) Phospho (ST) | | | | | |
| E1 01 2 | 2 NLSPPFFHEK | 1.0275 | 0.0282 | (3) Phospho (ST) | | | | | |
| E1 01 3 | 2 NLSPPFFHEK | 1.05333 | 0.03825 | (3) Phospho (ST) | | | | | |
| E1 01 1 | 2 NLSPPFFHEK | 1.07667 | 0.02555 | (3) Phospho (ST) | | | | | |
| E2 01 2 | 3 NMTVEQLLTGSPTSPTVEPEKPTR | 0.99083 | 0.02779 | (13) Phospho (ST) | | | | | |
| E2 02 2 | 3 NMTVEQLLTGSPTSPTVEPEKPTR | 1.29333 | 0.2357 | (13) Phospho (ST) | | | | | |
| E2 01 2 | 2 NMTASMFDSLMSK | 0.788 | 0.06755 | (6) Phospho (ST) | | | | | |
| E2 02 2 | 2 NPVDYMDLFFSSPSR | 0.85417 | 0.2478 | (13) Phospho (ST) | | | | | |
| E1 01 2 | 2 NQLTSPNPTVFDK | 0.683 | 0.1313 | | | | | | |
| E1 02 2 | 2 NQLTSPNPTVFDK | 0.7095 | 0.1486 | | | | | | |
| E1 02 1 | 2 NQLTSPNPTVFDK | 1.43678 | 0.01606 | | | | | | |
| E1 03 | 2 NQSQSDALVLEDEK | 0.5083 | 0.03494 | (5) Phospho (ST) | | | | | |
| E1 03 1 | 2 NQSQSDALVLEDEK | 1.09833 | 0.01994 | (5) Phospho (ST) | | | | | |
| E1 03 2 | 2 NQSQSDALVLEDEK | 1.11417 | 0.0214 | (5) Phospho (ST) | | | | | |
| E1 03 3 | 2 NQSQSDALVLEDEK | 1.1375 | 0.02406 | (5) Phospho (ST) | | | | | |
| E2 02 2 | 2 NRPTSBDWGLDSDGK | 1.07 | 0.1064 | (5) Phospho (ST) | | | | | |
| E1 01 | 2 NSATFKSFEDR | 0.70588 | 0.09511 | (7) Phospho (ST) | | | | | |
| E1 01 3 | 2 NSDLTVLSR | 1.38083 | 0.1223 | (9) Phospho (ST) | | | | | |
| E2 01 2 | 3 NSPTFKSFEKVENLK | 0.72608 | 0.05507 | (7) Phospho (ST) | | | | | |
| E2 01 1 | 3 NSPTFKSFEKVENLK | 0.77692 | 0.02123 | (7) Phospho (ST) | | | | | |
| E1 01 3 | 3 NVAAELGHSPKDPGGGGPVR | 0.945 | 0.03072 | (9) Phospho (ST) | | | | | |
| E2 01 1 | 2 NVFSAEELER | 0.77508 | 0.01262 | (5) Phospho (ST) | | | | | |
| E2 01 2 | 2 NVFSAEELER | 0.79808 | 0.02105 | (5) Phospho (ST) | | | | | |
| E1 01 3 | 2 NVFSAEELER | 0.8525 | 0.01306 | (5) Phospho (ST) | | | | | |
| E1 01 1 | 2 NVFSAEELER | 0.85917 | 0.01665 | (5) Phospho (ST) | | | | | |
| E2 01 2 | 2 NVFSAEELER | 1.08853 | 0.01671 | (5) Phospho (ST) | | | | | |
| E1 01 | 2 NVFSAEELER | 1.21852 | 0.01113 | (5) Phospho (ST) | | | | | |
| E1 03 2 | 2 NVPQESLESDVDADFK | 1.00833 | 0.01275 | (11) Phospho (ST) | | | | | |
| E2 01 3 | 2 NVPQESLESDVDADFK | 1.0425 | 0.09883 | (11) Phospho (ST) | | | | | |
| E1 03 1 | 2 NVPQESLESDVDADFK | 1.07583 | 0.01497 | (11) Phospho (ST) | | | | | |
| E2 03 2 | 2 NVPQESLESDVDADFK | 1.13167 | 0.05625 | (11) Phospho (ST) | | | | | |
| E1 03 1 | 3 NVRSDISDQEEDESECGPVSNLK | 1.31083 | 0.01985 | Phospho (ST);(7) | | | | | |
| E1 04 | 2 NWEDEDYSDSDDTFLDR | 0.61501 | 0.04183 | (10) Phospho (ST) | | | | | |
| E1 04 1 | 2 NWEDEDYSDSDDTFLDR | 1.345 | 0.01096 | (10) Phospho (ST) | | | | | |
| E2 01 2 | 3 NYSVGRPLKPLSPR | 1.07333 | 0.06308 | (3) Phospho (ST) | | | | | |
| E2 01 1 | 3 NYSVGRPLKPLSPR | 1.13167 | 0.04359 | (3) Phospho (ST) | | | | | |
| E1 01 1 | 2 PFSAPKQTPSPSPK | 1.0325 | 0.01725 | (10) Phospho (ST) | | | | | |
| E1 02 2 | 2 PFSAPKQTPSPSPK | 1.03667 | 0.02972 | (10) Phospho (ST) | | | | | |
| E1 01 3 | 2 PFSAPKQTPSPSPK | 1.0475 | 0.01219 | (10) Phospho (ST) | | | | | |
| E2 01 3 | 3 PQSKPQSPVIAAAVSPK | 0.90509 | 0.02678 | (17) Phospho (ST) | | | | | |
| E2 01 1 | 3 PQSKPQSPVIAAAVSPK | 1.0825 | 0.1537 | (17) Phospho (ST) | | | | | |
| E2 01 2 | 3 PQSKPQSPVIAAAVSPK | 1.08833 | 0.188 | (17) Phospho (ST) | | | | | |
| E1 01 | 2 PQSPVIAAAVSPK | 0.803 | 0.03534 | (12) Phospho (ST) | | | | | |
| E1 02 | 2 PSSSPVIFAGGQDR | 7.79626 | 999 | (4) Phospho (ST) | | | | | |
| E1 01 3 | 2 PVPDPSVSVTRL | 0.71125 | 0.05189 | (5) Phospho (ST) | | | | | |
| E1 01 1 | 2 PVPDPSVSVTRL | 0.75467 | 0.1025 | (5) Phospho (ST) | | | | | |
| E1 01 3 | 2 PVPDPSVSVTRL | 0.83008 | 0.01331 | Phospho (ST);(8) | | | | | |
| E1 01 | 2 PVPDPSVSVTRL | 1.07296 | 0.01417 | Phospho (ST);(8) | | | | | |
| E2 01 2 | 2 PVSSAASVYAGAGGSSR | 1.005 | 0.09981 | (7) Phospho (ST) | | | | | |
| E2 02 2 | 2 PVSSAASVYAGAGGSSR | 1.03667 | 0.07791 | (7) Phospho (ST) | | | | | |
| E1 03 2 | 2 QASTDAGTAGALTPQHVR | 1.07917 | 0.03327 | (3) Phospho (ST) | | | | | |
| E1 03 1 | 2 QASTDAGTAGALTPQHVR | 1.0425 | 0.04532 | (4) Phospho (ST) | | | | | |
| E1 03 1 | 2 QASTDAGTAGALTPQHVR | 1.07917 | 0.03327 | (4) Phospho (ST) | | | | | |
| E1 03 2 | 2 QASTDAGTAGALTPQHVR | 1.335 | 0.1143 | (4) Phospho (ST) | | | | | |
| E1 01 3 | 2 QASTDAGTAGALTPQHVR | 1.11917 | 0.07202 | (4) Phospho (ST) | | | | | |
| E2 01 2 | 3 QDDSPRPKFPALPGFK | 0.84667 | 0.01351 | (13) Phospho (ST) | | | | | |
| E2 01 1 | 3 QCLVMLETLSSQSGR | 0.71133 | 0.1309 | Phospho (ST);(13) | | | | | |
| E2 03 2 | 2 QISQDVKLEPDILLR | 0.73725 | 0.05487 | (3) Phospho (ST) | | | | | |
| E1 01 1 | 2 QISQDVKLEPDILLR | 0.80883 | 0.02304 | (3) Phospho (ST) | | | | | |
| E1 01 3 | 2 QISQDVKLEPDILLR | 0.92167 | 0.01672 | (3) Phospho (ST) | | | | | |
| E1 01 | 2 QISQDVKLEPDILLR | 0.92194 | 0.04283 | (3) Phospho (ST) | | | | | |
| E2 01 2 | 2 QISQDVKLEPDILLR | 0.92417 | 0.01989 | (3) Phospho (ST) | | | | | |
| E2 01 1 | 2 QISQDVKLEPDILLR | 0.93 | 0.01589 | (3) Phospho (ST) | | | | | |
| E1 01 | 2 QITVNDLPVGR | 0.90964 | 0.02847 | | | | | | |
| E2 03 | 3 QKFNDSEGGDTEETEDYRQFR | 0.77963 | 0.04566 | Phospho (ST);(11) | | | | | |
| E2 03 1 | 3 QKFNDSEGGDTEETEDYRQFR | 1.075 | 0.02336 | Phospho (ST);(11) | | | | | |
| E1 02 2 | 2 QLEMENSPILLSR | 0.82017 | 0.08587 | (7) Phospho (ST) | | | | | |
| E1 02 1 | 2 QLEMENSPILLSR | 0.82367 | 0.02911 | (7) Phospho (ST) | | | | | |
| E2 01 2 | 3 QLHLEAGASLELSDDDTESK | 0.69883 | 0.03933 | (12) Phospho (ST) | | | | | |
| E1 01 3 | 3 QLHLEAGASLELSDDDTESK | 0.79175 | 0.01188 | (12) Phospho (ST) | | | | | |
| E1 01 1 | 3 QLHLEAGASLELSDDDTESK | 0.84083 | 0.03724 | (12) Phospho (ST) | | | | | |
| E1 01 | 3 QLHLEAGASLELSDDDTESK | 1.09569 | 0.01849 | (12) Phospho (ST) | | | | | |
| E1 01 3 | 2 QLSSEGLGVEDLK | 0.7905 | 0.06752 | (3) Phospho (ST) | | | | | |
| E2 01 2 | 2 QLSPLTQSK | 1.35883 | 0.2635 | (3) Phospho (ST) | | | | | |
| E2 01 1 | 2 QLSPLTQSK | 0.955 | 0.03514 | (3) Phospho (ST) | | | | | |
| E1 01 1 | 2 QLSPLTQSK | 0.96333 | 0.04363 | (3) Phospho (ST) | | | | | |
| E1 01 | 2 QLSPLTQSK | 1.0075 | 0.01623 | (3) Phospho (ST) | | | | | |
| E1 01 | 2 QLSPLTQSK | 1.02389 | 0.04675 | (3) Phospho (ST) | | | | | |
| E1 01 3 | 2 QLSSEGER | 1.0375 | 0.01317 | (3) Phospho (ST) | | | | | |
| E2 01 2 | 2 QPLLSSEDEEDTK | 0.85942 | 0.1153 | (3) Phospho (ST) | | | | | |
| E2 02 | 2 QPLLSSEDEEDTK | 0.87668 | 0.01392 | (6) Phospho (ST) | | | | | |
| E2 02 2 | 2 QPLLSSEDEEDTK | 0.89982 | 0.0109 | (6) Phospho (ST) | | | | | |
| E2 02 1 | 2 QPLLSSEDEEDTK | 0.9417 | 0.2242 | (6) Phospho (ST) | | | | | |
| E2 02 2 | 2 QPLLSSEDEEDTK | 1.10167 | 0.04085 | (6) Phospho (ST) | | | | | |
| E2 01 1 | 2 QPLLSSEDEEDTK | 1.13917 | 0.04385 | (6) Phospho (ST) | | | | | |
| E2 01 2 | 2 QPLLSSEDEEDTKR | 0.865 | 0.01172 | (6) Phospho (ST) | | | | | |
| E2 01 3 | 2 QPLLSSEDEEDTKR | 0.97667 | 0.00783 | (6) Phospho (ST) | | | | | |
| E1 01 3 | 2 QPLLSSEDEEDTKR | 1.01917 | 0.01075 | (6) Phospho (ST) | | | | | |
| E1 01 1 | 2 QPLLSSEDEEDTKR | 1.03417 | 0.00803 | (6) Phospho (ST) | | | | | |
| E1 02 2 | 2 QPLLSSEDEEDTKR | 1.05333 | 0.02322 | (6) Phospho (ST) | | | | | |
| E2 01 1 | 2 QPLLSSEDEEDTKR | 1.0575 | 0.02131 | (6) Phospho (ST) | | | | | |
| E2 01 2 | 2 QPLLSSEDEEDTKR | 1.1625 | 0.01972 | (6) Phospho (ST) | | | | | |
| E2 02 2 | 2 QPLLSSEDEEDTKR | 1.20833 | 0.02721 | (6) Phospho (ST) | | | | | |
| E1 02 2 | 4 QQFHSPKVDSDSDDDPLEAFMAEVEDQAAR | 1.07917 | 0.00992 | (10) Phospho (ST);(12) Phospho (ST) | | | | | |
| E1 04 3 | 3 QQFHSPKVDSDSDDDPLEAFMAEVEDQAAR | 1.10167 | 0.01376 | (10) Phospho (ST);(12) Phospho (ST) | | | | | |
| E2 04 2 | 3 QQFHSPKVDSDSDDDPLEAFMAEVEDQAAR | 1.14333 | 0.00723 | (10) Phospho (ST);(12) Phospho (ST) | | | | | |
| E1 02 1 | 2 QQSEEDLLQDFSR | 0.786 | 0.06301 | (3) Phospho (ST) | | | | | |
| E1 02 | 2 QQSEEDLLQDFSR | 1.58646 | 0.04391 | (3) Phospho (ST) | | | | | |
| E1 03 1 | 3 QSCLRPFTEDDAADPNDSDDPESR | 0.83125 | 0.02047 | (18) Phospho (ST) | | | | | |
| E1 03 2 | 3 QSCLRPFTEDDAADPNDSDDPESR | 0.85667 | 0.03211 | (18) Phospho (ST) | | | | | |
| E2 01 1 | 3 QSGLSSVLNKGSPR | 1.13917 | 0.04503 | (9) Deamidated (NQ);(12) Phospho (ST) | | | | | |
| E1 04 3 | 3 R | 1.425 | 0.2051 | Phospho (ST);(19) | | | | | |
| E1 03 2 | 3 RAAEDWDSELEDDLLGEDLLSGK | 0.96917 | 0.1055 | (9) Phospho (ST) | | | | | |
| E1 03 1 | 3 RAAEDWDSELEDDLLGEDLLSGK | 1.0175 | 0.1697 | (9) Phospho (ST) | | | | | |
| E2 04 2 | 2 RAASLNLYNQPSAAPLQVSR | 1.0425 | 0.02679 | (4) Phospho (ST) | | | | | |
| E1 04 | 3 RADDFFVRDPSVDTEDEGEPAEPPPPK | 0.74147 | 0.02154 | (12) Phospho (ST);(15) Phospho (ST) | | | | | |
| E1 04 3 | 3 RADDFFVRDPSVDTEDEGEPAEPPPPK | 1.25083 | 0.02659 | Phospho (ST) | | | | | |
| E1 01 | 3 RAPSVANVGHCDLSLK | 1.20968 | 0.02336 | (4) Phospho (ST) | | | | | |
| E2 01 1 | 3 RASQAPELLSPR | 1.16 | 0.04303 | (3) Phospho (ST) | | | | | |
| E1 01 3 | 3 RASLSDLTLEDIEGLTVR | 0.93333 | 0.05566 | (3) Phospho (ST);(4) Phospho (ST) | | | | | |
| E2 01 1 | 3 RASSKGGGTYCQSGSGWDEFTK | 1.10083 | 0.02704 | (3) Phospho (ST);(4) Phospho (ST) | | | | | |
| E2 02 2 | 3 RASSKGGGTYCQSGSGWDEFTK | 1.10333 | 0.04136 | Phospho (ST) | | | | | |
| E2 01 2 | 2 RASSLNVLNMGK | 1.075 | 0.05529 | (4) Phospho (ST) | | | | | |
| E2 01 1 | 2 RASSLNVLNMGK | 1.0775 | 0.02407 | (4) Phospho (ST) | | | | | |
| E2 01 2 | 4 RDSFDRGRPSLNPLVDYHG | | | | | | | | |

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|---------|---|------------------------------|---------|---------|------------------------|
| E2 01 2 | 3 | RLSTSPDVQGHQPR | 0.79367 | 0.02454 | (3) Phospho (ST) |
| E1 01 1 | 3 | RLSTSPDVQGHQPR | 0.845 | 0.01668 | (3) Phospho (ST) |
| E1 01 | 3 | RLSTSPDVQGHQPR | 1.34288 | 0.0325 | (3) Phospho (ST) |
| E2 01 1 | 3 | RLSTSPDVQGHQPR | 0.78425 | 0.03317 | (5) Phospho (ST) |
| E1 01 3 | 3 | RLSTSPDVQGHQPR | 0.82117 | 0.01332 | (5) Phospho (ST) |
| E1 01 1 | 3 | RLSTSPDVQGHQPR | 0.845 | 0.01668 | (5) Phospho (ST) |
| E1 01 | 3 | RLSTSPDVQGHQPR | 1.34288 | 0.0325 | (5) Phospho (ST) |
| E1 02 1 | 3 | RNDISELEDLSELEDLK | 0.83008 | 0.8368 | (6) Phospho (ST);(12) |
| E2 01 2 | 3 | RNLGSINTELDQVQR | 0.72133 | 0.2545 | (5) Phospho (ST) |
| E2 01 1 | 3 | RNLGSINTELDQVQR | 0.79692 | 0.09528 | (5) Phospho (ST) |
| E1 01 3 | 3 | RNLLEDDSEEDDFLLR | 0.74375 | 0.172 | (8) Phospho (ST) |
| E1 02 | 2 | RNSSEASSGDFLDLK | 0.95299 | 0.02089 | (3) Phospho (ST) |
| E1 01 | 3 | RNSSEASSGDFLDLK | 1.11193 | 0.0174 | (3) Phospho (ST) |
| E2 03 1 | 3 | RPDYAPMESSDEEDEFQFK | 0.87 | 0.2234 | (9) Phospho (ST);(10) |
| E2 03 1 | 3 | RPDYAPMESSDEEDEFQFKK | 0.95417 | 0.04211 | (9) Phospho (ST);(10) |
| E2 03 2 | 3 | RPDYAPMESSDEEDEFQFKK | 1.00417 | 0.04747 | (9) Phospho (ST) |
| E2 03 1 | 3 | RPLFLAPDFDRWLDESDAEMELR | 0.79525 | 0.03956 | (16) Phospho (ST) |
| E2 03 1 | 3 | RPLFLAPDFDRWLDESDAEMELR | 1.0075 | 0.03274 | (16) Phospho (ST);(20) |
| E2 01 1 | 3 | RQQPLPGPSSLLSLPGLK | 0.85333 | 0.04211 | (1) Phospho (ST);(14) |
| E2 01 1 | 3 | RQQPLPGPSSLLSLPGLK | 0.85333 | 0.04211 | (9) Phospho (ST);(14) |
| E2 02 1 | 3 | RRSQDLTVTGTGPQVSSR | 1.115 | 0.02452 | (3) Phospho (ST) |
| E2 01 2 | 3 | RRSLLPNEGGLQLK | 0.86917 | 0.04867 | (4) Phospho (ST);(7) |
| E1 02 1 | 3 | RSASPDDDLGSSNWEAADLGNNEER | 1.0325 | 0.02109 | (12) Phospho (ST) |
| E1 04 1 | 2 | RSASPDDDLGSSNWEAADLGNNEER | 1.11167 | 0.02543 | (12) Phospho (ST) |
| E1 02 2 | 3 | RSASPDDDLGSSNWEAADLGNNEER | 1.00167 | 0.01804 | (4) Phospho (ST) |
| E1 04 3 | 2 | RSASPDDDLGSSNWEAADLGNNEER | 1.10667 | 0.01437 | (4) Phospho (ST) |
| E1 04 1 | 2 | RSASPDDDLGSSNWEAADLGNNEER | 1.11167 | 0.02543 | (4) Phospho (ST) |
| E1 02 2 | 3 | RSASPDDDLGSSNWEAADLGNNEER | 0.99667 | 0.01874 | (4) Phospho (ST);(13) |
| E2 03 | 3 | RSASPDDDLGSSNWEAADLGNNEER | 0.77801 | 0.03411 | (4) Phospho (ST) |
| E1 03 | 3 | RSASPDDDLGSSNWEAADLGNNEER | 0.79702 | 0.01858 | (4) Phospho (ST) |
| E1 01 | 4 | RSASPDDDLGSSNWEAADLGNNEER | 0.90799 | 0.02317 | (4) Phospho (ST) |
| E2 01 2 | 4 | RSHSGPAGSFNKPAPR | 1.62833 | 0.0256 | (4) Phospho (ST) |
| E2 01 1 | 4 | RSHSGPAGSFNKPAPR | 1.77417 | 0.02113 | (4) Phospho (ST) |
| E2 01 1 | 3 | RSVPVPAQIVTFPK | 0.79167 | 0.09054 | (2) Phospho (ST) |
| E2 01 1 | 2 | RSSLLSLMTGK | 0.81425 | 0.03077 | (3) Phospho (ST) |
| E2 01 1 | 3 | RSSSETLSSLAGSDMK | 0.73575 | 0.01945 | (4) Phospho (ST) |
| E2 03 | 2 | RSSSETLSSLAGSDMK | 1.19522 | 0.06227 | (4) Phospho (ST) |
| E2 01 1 | 3 | RSSSETLSSLAGSDMK | 0.73575 | 0.01945 | (6) Phospho (ST) |
| E2 01 2 | 3 | RSSVFAEIMDAFDRSPTDK | 0.6535 | 0.08229 | (3) Phospho (ST) |
| E2 02 1 | 3 | RSSVFAEIMDAFDRSPTDK | 0.7095 | 0.08114 | (3) Phospho (ST) |
| E2 02 2 | 3 | RSSVFAEIMDAFDRSPTDK | 0.71375 | 0.05229 | (3) Phospho (ST) |
| E1 01 | 3 | RSYSSPDITQAEIEEK | 1.23967 | 0.03141 | (4) Phospho (ST) |
| E1 01 3 | 3 | RSYSSPDITQAEIEEK | 0.92583 | 0.01895 | (5) Phospho (ST) |
| E1 01 | 3 | RSYSSPDITQAEIEEK | 1.23967 | 0.03141 | (5) Phospho (ST) |
| E2 01 2 | 3 | RTSMGGTQQQFVEGVR | 1 | 0.12126 | (2) Phospho (ST) |
| E2 01 | 3 | RTSMGGTQQQFVEGVR | 1.06458 | 0.02265 | (2) Phospho (ST) |
| E1 01 1 | 3 | RTSMGGTQQQFVEGVR | 1.095 | 0.03344 | (2) Phospho (ST) |
| E1 03 1 | 2 | RTSMGGTQQQFVEGVR | 0.845 | 0.2429 | (3) Phospho (ST) |
| E1 03 2 | 2 | RTSMGGTQQQFVEGVR | 0.85583 | 0.2023 | (3) Phospho (ST) |
| E2 03 2 | 2 | RTSMGGTQQQFVEGVR | 0.89083 | 0.04628 | (3) Phospho (ST) |
| E2 01 | 3 | RTSMGGTQQQFVEGVR | 1.06458 | 0.02265 | (3) Phospho (ST) |
| E2 01 1 | 3 | RTSMGGTQQQFVEGVR | 1.00083 | 0.02486 | (7) Phospho (ST) |
| E1 01 1 | 3 | RTSMGGTQQQFVEGVR | 1.095 | 0.03344 | (7) Phospho (ST) |
| E1 01 3 | 3 | RTSMGGTQQQFVEGVR | 1.1325 | 0.03874 | (7) Phospho (ST) |
| E2 01 2 | 2 | RTSPQVLGSLK | 0.96917 | 0.031 | (3) Phospho (ST) |
| E2 01 1 | 2 | RTSPQVLGSLK | 1.0125 | 0.05648 | (3) Phospho (ST) |
| E2 01 1 | 3 | RVQSLPVSPLSAAAYR | 0.72225 | 0.07478 | (4) Phospho (ST) |
| E2 01 2 | 3 | RVQSLPVSPLSAAAYR | 0.789 | 0.03577 | (4) Phospho (ST) |
| E1 02 1 | 3 | RVSSDEEHTVDSICISDMK | 1.17417 | 0.04389 | (3) Phospho (ST);(4) |
| E2 02 2 | 4 | RVSSSELDLPGSDHCEAGLLQLDVPLLR | 0.85417 | 0.07501 | (5) Phospho (ST) |
| E2 04 2 | 3 | RYGLLANTEDPTEMASLDSDEETVFESR | 1.0225 | 0.02021 | (12) Phospho (ST);(19) |
| E1 04 3 | 3 | RYGLLANTEDPTEMASLDSDEETVFESR | 0.86667 | 0.07776 | (16) Phospho (ST);(19) |
| E2 01 1 | 3 | RYSLDPSSAPPELLR | 1.02333 | 0.01383 | (3) Phospho (ST) |
| E1 01 3 | 2 | SASFAFEFPK | 0.711 | 0.04572 | (3) Phospho (ST) |
| E2 01 1 | 2 | SASFAFEFPK | 0.77742 | 0.03606 | (3) Phospho (ST) |
| E2 04 2 | 2 | SASPDDDLGSSNWEAADLGNNEER | 1.12333 | 0.00843 | (10) Phospho (ST) |
| E1 02 2 | 3 | SASPDDDLGSSNWEAADLGNNEER | 1.00167 | 0.01356 | (3) Phospho (ST) |
| E2 02 1 | 3 | SASPDDDLGSSNWEAADLGNNEER | 1.015 | 0.05929 | (3) Phospho (ST) |
| E1 04 3 | 2 | SASPDDDLGSSNWEAADLGNNEER | 1.10083 | 0.00781 | (3) Phospho (ST) |
| E1 04 1 | 2 | SASPDDDLGSSNWEAADLGNNEER | 1.12083 | 0.01489 | (3) Phospho (ST) |
| E2 04 2 | 2 | SASPDDDLGSSNWEAADLGNNEER | 1.12333 | 0.00843 | (3) Phospho (ST) |
| E2 04 1 | 2 | SASPDDDLGSSNWEAADLGNNEER | 1.1425 | 0.01793 | (3) Phospho (ST) |
| E1 02 2 | 3 | SASPDDDLGSSNWEAADLGNNEER | 1.00833 | 0.01441 | (3) Phospho (ST);(12) |
| E1 02 2 | 3 | SASPDDDLGSSNWEAADLGNNEER | 0.88083 | 0.06847 | (3) Phospho (ST) |
| E1 04 1 | 2 | SASPDDDLGSSNWEAADLGNNEER | 0.9325 | 0.0666 | (3) Phospho (ST) |
| E2 02 2 | 3 | SASPDDDLGSSNWEAADLGNNEER | 0.99417 | 0.03705 | (3) Phospho (ST) |
| E1 02 1 | 3 | SASPDDDLGSSNWEAADLGNNEER | 1.025 | 0.05337 | (3) Phospho (ST) |
| E2 03 | 2 | SASQSSLDKLDQELK | 0.91463 | 0.01058 | (3) Phospho (ST);(6) |
| E1 03 1 | 2 | SASQSSLDKLDQELK | 0.945 | 0.05102 | (3) Phospho (ST);(6) |
| E1 03 2 | 2 | SASQSSLDKLDQELK | 0.97 | 0.06729 | (3) Phospho (ST);(6) |
| E1 01 1 | 3 | SASQSSLDKLDQELK | 1.05083 | 0.02006 | (3) Phospho (ST);(6) |
| E2 03 2 | 2 | SASQSSLDKLDQELK | 1.12167 | 0.01317 | (3) Phospho (ST);(6) |
| E2 03 2 | 2 | SASQSSLDKLDQELK | 1.12167 | 0.01317 | (3) Phospho (ST);(6) |
| E1 01 1 | 3 | SASQSSLDKLDQELK | 1.05083 | 0.02006 | (5) Phospho (ST);(6) |
| E2 01 1 | 3 | SASQSSLDKLDQELK | 1.10167 | 0.01301 | (5) Phospho (ST);(6) |
| E2 01 1 | 3 | SASQSSLDKLDQELK | 1.10167 | 0.01301 | (5) Phospho (ST);(6) |
| E1 01 3 | 3 | SASQSSLDKLDQELK | 1.11333 | 0.01715 | (5) Phospho (ST);(6) |
| E2 03 2 | 2 | SASQSSLDKLDQELK | 1.12167 | 0.01317 | (5) Phospho (ST);(6) |

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|---------|---|----------------------------------|---------|---------|--------------------------------------|
| E2 03 2 | 2 | SASQSSLDKLDQELK | 1.12167 | 0.01317 | (5) Phospho (ST);(6) |
| E2 01 2 | 3 | SASQSSLDKLDQELK | 1.12667 | 0.01153 | (5) Phospho (ST);(6) |
| E2 03 1 | 2 | SASQSSLDKLDQELK | 1.14 | 0.01432 | (5) Phospho (ST);(6) |
| E2 01 2 | 3 | SASTLCLPSVGAARPOVK | 1.12917 | 0.02571 | (3) Phospho (ST) |
| E2 01 1 | 3 | SASTLCLPSVGAARPOVK | 1.16583 | 0.03799 | (3) Phospho (ST) |
| E2 02 1 | 3 | SATRPSPSPERSSTGPEPPAPTPLLAER | 1.2475 | 0.01263 | (6) Phospho (ST);(8) |
| E2 01 1 | 3 | SAYQYDSDSDVPEELKR | 1.005 | 0.1443 | (10) Phospho (ST) |
| E1 01 3 | 2 | SCFESSDPPELK | 0.97833 | 0.04319 | (6) Phospho (ST) |
| E1 03 1 | 2 | SDKSPDLAPTPAQSTPR | 1.255 | 0.04198 | (1) Phospho (ST) |
| E1 03 2 | 2 | SDKSPDLAPTPAQSTPR | 1.0775 | 0.06083 | (4) Phospho (ST) |
| E1 01 3 | 3 | SDKSPDLAPTPAQSTPR | 1.0825 | 0.05817 | (4) Phospho (ST) |
| E1 01 1 | 3 | SDKSPDLAPTPAQSTPR | 1.11 | 0.05687 | (4) Phospho (ST) |
| E1 02 2 | 2 | SDVLELTDNFESR | 0.75508 | 0.04247 | |
| E1 02 | 2 | SDVLELTDNFESR | 1.46915 | 0.09344 | |
| E1 03 2 | 3 | SEPVKESSELEQFPADTSSVGPDR | 0.78167 | 0.08369 | (9) Phospho (ST) |
| E1 03 1 | 2 | SESLIDASEDSQLEAAR | 1.11 | 0.01425 | (11) Phospho (ST) |
| E1 03 2 | 2 | SESLIDASEDSQLEAAR | 1.15167 | 0.00855 | (11) Phospho (ST) |
| E1 03 | 2 | SESLIDASEDSQLEAAR | 1.29758 | 0.02259 | (11) Phospho (ST) |
| E1 03 | 2 | SFEVEEVETPNSTPPR | 1.2215 | 0.02845 | (1) Phospho (ST) |
| E1 01 1 | 2 | SFSADNFQIQR | 0.69817 | 0.1131 | (3) Phospho (ST) |
| E2 01 2 | 2 | SFSADNFQIQR | 0.72917 | 0.0154 | (3) Phospho (ST) |
| E1 01 3 | 2 | SFSADNFQIQR | 0.77375 | 0.05538 | (3) Phospho (ST) |
| E2 01 | 2 | SFSADNFQIQR | 1.23967 | 0.02502 | (3) Phospho (ST) |
| E1 01 | 2 | SFSADNFQIQR | 1.41643 | 0.2568 | (3) Phospho (ST) |
| E1 02 2 | 3 | SFSKEELMSSDLEETAGSTIPIK | 1.09083 | 0.03557 | (10) Phospho (ST) |
| E2 02 1 | 3 | SFSKEELMSSDLEETAGSTIPIK | 1.09667 | 0.0216 | (10) Phospho (ST) |
| E2 02 2 | 3 | SFSKEELMSSDLEETAGSTIPIK | 1.1125 | 0.00832 | (10) Phospho (ST) |
| E1 02 2 | 3 | SFSKEELMSSDLEETAGSTIPIK | 1.07667 | 0.06813 | (8) Oxidation (M);(10) |
| E2 02 1 | 3 | SFSKEELMSSDLEETAGSTIPIK | 1.09333 | 0.06867 | (8) Oxidation (M);(10) |
| E1 02 1 | 3 | SFSKEELMSSDLEETAGSTIPIK | 1.1075 | 0.04649 | (8) Oxidation (M);(10) |
| E2 02 2 | 3 | SFSKEELMSSDLEETAGSTIPIK | 1.13 | 0.06848 | (8) Oxidation (M);(10) |
| E2 01 2 | 2 | SFSKEVEER | 1.135 | 0.0161 | (3) Phospho (ST) |
| E2 02 1 | 2 | SFSLASSNSPISQR | 1.06167 | 0.1294 | (3) Phospho (ST) |
| E2 02 2 | 2 | SFSLASSNSPISQR | 1.23667 | 0.1773 | (3) Phospho (ST) |
| E1 01 1 | 2 | SFSLDPLMER | 0.9 | 0.04701 | (3) Phospho (ST) |
| E1 01 3 | 2 | SFSMQDLR | 0.91583 | 0.03732 | (3) Phospho (ST) |
| E2 01 2 | 2 | SFTGGLGQLVWPSK | 0.70017 | 0.05863 | (1) Phospho (ST) |
| E2 01 1 | 2 | SFTGGLGQLVWPSK | 0.72092 | 0.0331 | (1) Phospho (ST) |
| E2 01 2 | 2 | SFTGGLGQLVWPSK | 0.70017 | 0.05863 | (3) Phospho (ST) |
| E2 01 1 | 2 | SFTGGLGQLVWPSK | 0.72092 | 0.0331 | (3) Phospho (ST) |
| E1 04 1 | 3 | SGLELTELQNMVPEDDNISNDSNDFTEVNGQI | 0.965 | 0.03547 | (12) Phospho (ST);(20) |
| E1 04 1 | 3 | NSK | 0.965 | 0.03547 | (20) Phospho (ST);(24) |
| E1 04 1 | 3 | NSK | 0.965 | 0.03547 | (20) Phospho (ST);(31) |
| E1 01 1 | 2 | SGLSLEELR | 0.8825 | 0.0386 | (4) Phospho (ST) |
| E2 01 1 | 2 | SGLSLEELR | 0.88417 | 0.03577 | (4) Phospho (ST) |
| E1 01 | 2 | SGLSLEELR | 0.90416 | 0.07019 | (4) Phospho (ST) |
| E1 01 3 | 2 | SGLSLEELR | 0.99917 | 0.05281 | (4) Phospho (ST) |
| E2 01 | 4 | SGSGSVNGSSRYSQNSPHHPSR | 0.88339 | 0.02602 | (8) Deamidated (N);(13) Phospho (ST) |
| E2 02 2 | 4 | SGSGSVNGSSRYSQNSPHHPSRR | 1.23333 | 0.0238 | (8) Deamidated (N);(13) Phospho (ST) |
| E2 02 1 | 3 | SGSPRPTEPTDFLMLFEGSPSGK | 1.20167 | 0.03572 | (7) Phospho (ST) |
| E2 02 2 | 3 | SGSPRPTEPTDFLMLFEGSPSGK | 1.205 | 0.04897 | (7) Phospho (ST) |
| E2 02 1 | 3 | SGSPRPTEPTDFLMLFEGSPSGK | 0.86583 | 0.08745 | (7) Phospho (ST);(14) |
| E1 02 2 | 3 | SGSSSPDEITELKFPSSINH | 1.01583 | 0.03676 | (4) Phospho (ST);(5) |
| E2 02 1 | 3 | SGSSSPDEITELKFPSSINH | 1.06583 | 0.03433 | (4) Phospho (ST);(5) |
| E1 02 2 | 3 | SGSSSPDEITELKFPSSINH | 0.86083 | 0.02162 | (5) Phospho (ST) |
| E2 02 1 | 3 | SGSSSPDEITELKFPSSINH | 0.95167 | 0.02055 | (5) Phospho (ST) |
| E2 01 1 | 3 | SHSGPAGSFNKPAPR | 1.37333 | 0.01691 | (3) Phospho (ST) |
| E2 01 2 | 3 | SHSGPAGSFNKPAPR | 1.375 | 0.024 | (3) Phospho (ST) |
| E2 02 2 | 3 | SHSRQASTDAGTAGALTPQHVR | 1.09583 | 0.02839 | (3) Phospho (ST);(12) |
| E1 02 1 | 3 | SHSRQASTDAGTAGALTPQHVR | 1.11 | 0.02481 | (3) Phospho (ST);(8) |
| E2 01 2 | 4 | SHSPASLQLGTGAGAAGSPAQHAHLR | 1.15167 | 0.02829 | (4) Phospho (ST) |
| E2 01 1 | 4 | SHSPASLQLGTGAGAAGSPAQHAHLR | 1.17583 | 0.02586 | (4) Phospho (ST) |
| E2 01 2 | 3 | SHITRPLESDEDEK | 1.04833 | 0.2322 | (10) Phospho (ST) |
| E1 02 2 | 2 | SEVENDFLPVEK | 0.9275 | 0.07332 | (1) Phospho (ST) |
| E1 02 | 2 | SEVENDFLPVEK | 1.29646 | 0.03364 | (1) Phospho (ST) |
| E1 03 2 | 3 | SLKPTTPPQEGEEVGSSEEQDNAPK | 1.20083 | 0.02805 | (20) Phospho (ST) |
| E2 02 2 | 2 | SIQVDWCPTGFK | 0.96 | 0.02626 | (1) Phospho (ST) |
| E2 02 1 | 2 | SIQVDWCPTGFK | 1.11333 | 0.032 | (1) Phospho (ST) |
| E2 03 1 | 3 | SISQSLDELSDMEDYWELENIK | 0.89167 | 0.04346 | (3) Phospho (ST) |
| E2 03 2 | 3 | SISQSLDELSDMEDYWELENIK | 0.97417 | 0.02847 | (3) Phospho (ST) |
| E2 03 2 | 3 | SISQSLDELSDMEDYWELENIK | 0.97583 | 0.033 | (3) Phospho (ST) |
| E2 01 2 | 4 | SLAPDRSDDHDPDLDNTRSPR | 0.97833 | 0.02293 | (7) Phospho (ST) |
| E2 01 1 | 4 | SLAPDRSDDHDPDLDNTRSPR | 1.005 | 0.01889 | (7) Phospho (ST) |
| E1 01 | 4 | SLAPDRSDDHDPDLDNTRSPR | 1.0211 | 0.0365 | (7) Phospho (ST) |
| E1 01 3 | 4 | SLAPDRSDDHDPDLDNTRSPR | 1.04 | 0.02019 | (7) Phospho (ST) |
| E1 01 1 | 4 | SLAPDRSDDHDPDLDNTRSPR | 1.08083 | 0.01898 | (7) Phospho (ST) |
| E1 01 | 2 | SLEDMIAEVK | 1.34048 | 0.4557 | (1) Phospho (ST) |
| E1 01 3 | 2 | SLEGLNOELVEEVFK | 0.95667 | 0.02588 | (1) Phospho (ST) |
| E1 03 1 | 2 | SLEGLNOELVEEVFK | 0.99167 | 0.02701 | (1) Phospho (ST) |
| E1 02 2 | 3 | SLGNLQAKPTSSPAK | 1.06417 | 0.04325 | (1) Phospho (ST) |
| E2 01 1 | 3 | SLGNLQAKPTSSPAK | 1.1775 | 0.03655 | (13) Phospho (ST) |
| E2 01 1 | 3 | SLGNLQAKPTSSPAK | 1 | | |

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| E1 01 3 | 2 SLYTDLVLR | 1.2825 | 0.1204 | (1) Phospho (ST) | | | |
| E2 02 1 | 3 SLKESQSEEEELAQKK | 1.09 | 0.02309 | (5) Phospho (ST),(9) | | | |
| E2 02 2 | 3 SLKESQSEEEELAQKK | 1.10667 | 0.04664 | (5) Phospho (ST),(9) | | | |
| E1 01 | 2 SLDASEEAKK | 1.21852 | 0.0935 | (1) Phospho (ST) | | | |
| E2 02 2 | 3 SLLGDSAPTLLHNGTPSQSPVVGR | 0.82783 | 0.01994 | (16) Phospho (ST),(20) | | | |
| E2 02 | 3 SLLGDSAPTLLHNGTPSQSPVVGR | 1.03878 | 0.02594 | (6) Phospho (ST),(20) | | | |
| E2 03 1 | 3 SLLSHEFQDETDTEETLYSSK | 0.72575 | 0.3891 | (11) Phospho (ST),(13) | | | |
| E2 03 2 | 3 SLLSHEFQDETDTEETLYSSK | 0.93667 | 0.1673 | (11) Phospho (ST),(13) | | | |
| E2 03 1 | 3 SLLSHEFQDETDTEETLYSSK | 0.92167 | 0.01711 | (11) Phospho (ST),(13) | | | |
| E2 03 2 | 3 SLLSHEFQDETDTEETLYSSK | 0.94167 | 0.01344 | (11) Phospho (ST),(13) | | | |
| E1 01 1 | 2 SLMSSPEDLTK | 1.02417 | 0.05975 | (4) Phospho (ST),(5) | | | |
| E1 03 2 | 3 SLMSSPEDLTKDFEELKAEVDVTK | 1.29167 | 0.1624 | (3) Oxidation (M),(4) | | | |
| E2 02 1 | 3 SLPEDLRDKSDSDTEGLLFSR | 0.865 | 0.01811 | (7) Phospho (ST),(12) | | | |
| E2 02 2 | 3 SLPEDLRDKSDSDTEGLLFSR | 0.83417 | 0.02655 | (10) Phospho (ST),(12) | | | |
| E2 02 | 3 SLPEDLRDKSDSDTEGLLFSR | 1.20482 | 0.01678 | (10) Phospho (ST),(12) | | | |
| E2 02 2 | 3 SLPEDLRDKSDSDTEGLLFSR | 0.87833 | 0.101 | (12) Phospho (ST) | | | |
| E2 02 1 | 3 SLPEDLRDKSDSDTEGLLFSR | 0.96833 | 0.04595 | (12) Phospho (ST) | | | |
| E2 01 2 | 2 SLPVSPVWVWGF | 0.9625 | 0.01087 | (1) Phospho (ST) | | | |
| E2 01 1 | 2 SLPVSPVWVWGF | 0.98417 | 0.01984 | (1) Phospho (ST) | | | |
| E2 03 2 | 3 SLQENEEIEKGNLEAWMDLDAK | 0.945 | 0.02251 | (1) Phospho (ST) | | | |
| E2 03 1 | 3 SLQENEEIEKGNLEAWMDLDAK | 0.95167 | 0.02058 | (1) Phospho (ST) | | | |
| E2 03 | 3 SLQENEEIEKGNLEAWMDLDAK | 1.10051 | 0.02205 | (1) Phospho (ST) | | | |
| E2 02 1 | 3 SLKSDSDLLTCSPTEDATMGRS | 1.005 | 0.0262 | (7) Phospho (ST) | | | |
| E2 02 2 | 3 SLKSDSDLLTCSPTEDATMGRS | 1.01417 | 0.03973 | (7) Phospho (ST) | | | |
| E1 02 2 | 3 SLKSDSDLLTCSPTEDATMGRS | 1.06833 | 0.06211 | (7) Phospho (ST) | | | |
| E1 02 1 | 3 SLKSDSDLLTCSPTEDATMGRS | 1.11167 | 0.05208 | (7) Phospho (ST) | | | |
| E1 02 2 | 3 SLKSDSDLLTCSPTEDATMGRS | 1.1 | 0.05323 | (7) Phospho (ST),(20) | | | |
| E1 04 3 | 2 SLSNSNPDISGTPSPDDEV | 0.9825 | 0.03274 | (3) Phospho (ST) | | | |
| E2 04 2 | 2 SLSNSNPDISGTPSPDDEV | 1.06583 | 0.05727 | (3) Phospho (ST) | | | |
| E1 04 1 | 2 SLSNSNPDISGTPSPDDEV | 0.97917 | 0.01824 | (5) Phospho (ST) | | | |
| E1 04 3 | 2 SLSNSNPDISGTPSPDDEV | 0.9825 | 0.03274 | (5) Phospho (ST) | | | |
| E2 01 1 | 2 SLSPGGAALGYR | 0.80292 | 0.04404 | (3) Phospho (ST) | | | |
| E1 01 3 | 3 SLSPGKENVASALDMEK | 0.7735 | 0.05912 | (3) Phospho (ST) | | | |
| E1 02 1 | 2 SLSPGKENVASALDMEK | 0.86333 | 0.05169 | (3) Phospho (ST) | | | |
| E1 02 2 | 2 SLSPGKENVASALDMEK | 0.9175 | 0.06106 | (3) Phospho (ST) | | | |
| E2 04 2 | 2 SLSQSFENLLDEPAYGLQK | 1.1675 | 0.05118 | (5) Phospho (ST) | | | |
| E2 04 1 | 2 SLSQSFENLLDEPAYGLQK | 1.23833 | 0.0415 | (5) Phospho (ST) | | | |
| E2 02 1 | 2 SLSSTPDNLELSLR | 1.4275 | 0.06259 | (4) Phospho (ST) | | | |
| E1 02 2 | 2 SLSSTPDNLELSLR | 1.43667 | 0.1635 | (4) Phospho (ST) | | | |
| E1 02 1 | 2 SLSSTPDNLELSLR | 1.7675 | 0.08338 | (4) Phospho (ST) | | | |
| E1 02 | 2 SLSSTPDNLELSLR | 0.77519 | 0.01614 | (3) Phospho (ST) | | | |
| E2 02 | 2 SLSSTPDNLELSLR | 0.88287 | 0.02788 | (3) Phospho (ST) | | | |
| E1 02 1 | 2 SLSSTPDNLELSLR | 1.02 | 0.00874 | (3) Phospho (ST) | | | |
| E1 02 | 2 SLSSTPDNLELSLR | 0.77519 | 0.01614 | (4) Phospho (ST) | | | |
| E2 02 | 2 SLSSTPDNLELSLR | 0.88287 | 0.02788 | (4) Phospho (ST) | | | |
| E2 02 2 | 2 SLSSTPDNLELSLR | 1.0175 | 0.0181 | (4) Phospho (ST) | | | |
| E1 02 1 | 2 SLSSTPDNLELSLR | 1.02 | 0.00874 | (4) Phospho (ST) | | | |
| E1 02 2 | 2 SLSSTPDNLELSLR | 1.03917 | 0.01535 | (4) Phospho (ST) | | | |
| E2 02 1 | 2 SLSSTPDNLELSLR | 1.07667 | 0.01986 | (4) Phospho (ST) | | | |
| E2 02 2 | 2 SLSSTPDNLELSLR | 0.79017 | 0.01789 | (3) Phospho (ST) | | | |
| E2 03 1 | 2 SLSSTPDNLELSLR | 0.79967 | 0.01824 | (3) Phospho (ST) | | | |
| E2 03 2 | 2 SLSSTPDNLELSLR | 0.82483 | 0.00862 | (3) Phospho (ST) | | | |
| E2 01 1 | 2 SLSSTPDNLELSLR | 0.87833 | 0.02267 | (3) Phospho (ST) | | | |
| E2 03 | 2 SLSSTPDNLELSLR | 1.25523 | 0.01565 | (3) Phospho (ST) | | | |
| E2 03 1 | 2 SLSSTPDNLELSLR | 0.79967 | 0.01824 | (4) Phospho (ST) | | | |
| E2 01 1 | 2 SLSSTPDNLELSLR | 0.6525 | 0.02962 | (5) Phospho (ST) | | | |
| E2 01 2 | 3 SLSTSGESLHYVLGLDK | 0.658 | 0.02204 | (5) Phospho (ST),(8) | | | |
| E2 01 1 | 3 SLSTSGESLHYVLGLDK | 0.67208 | 0.01726 | (5) Phospho (ST),(8) | | | |
| E2 01 3 | 3 SLSTSGESLHYVLGLDK | 0.6515 | 0.02048 | (8) Phospho (ST) | | | |
| E1 01 3 | 2 SLTSPVQLSR | 1.07 | 0.1383 | (3) Phospho (ST) | | | |
| E2 02 1 | 3 SLTETELTKFNLYLLPTEK | 1.1625 | 0.1557 | (3) Phospho (ST) | | | |
| E2 01 2 | 2 SLTSSLENFNR | 1.01333 | 0.0629 | (1) Phospho (ST) | | | |
| E2 01 1 | 2 SLTSSLENFNR | 1.06083 | 0.02545 | (1) Phospho (ST) | | | |
| E2 01 1 | 2 SLTSSLENFNR | 0.95853 | 0.00594 | (4) Phospho (ST) | | | |
| E1 01 1 | 2 SLTSSLENFNR | 0.97167 | 0.02063 | (5) Phospho (ST) | | | |
| E2 01 2 | 2 SLTSSLENFNR | 0.97583 | 0.00717 | (5) Phospho (ST) | | | |
| E1 01 | 2 SLTSSLENFNR | 1.13122 | 0.03882 | (5) Phospho (ST) | | | |
| E1 01 1 | 3 SMDLNLHDFQALALEGR | 0.89667 | 0.05141 | (1) Phospho (ST) | | | |
| E1 01 3 | 3 SMDLNLHDFQALALEGR | 0.88333 | 0.02516 | (1) Phospho (ST),(6) | | | |
| E2 01 | 2 SMPVLGSSVSVTK | 0.84842 | 0.05867 | (1) Phospho (ST) | | | |
| E1 01 3 | 2 SMSAPVDFDR | 0.62175 | 0.07761 | (3) Phospho (ST) | | | |
| E1 02 | 2 SMSDVSAEVDQVQLNR | 0.82147 | 0.03466 | (1) Phospho (ST) | | | |
| E2 04 | 2 SNISPNFNFMGQLLDFER | 0.76687 | 0.03007 | (4) Phospho (ST),(10) | | | |
| E2 04 1 | 2 SNISPNFNFMGQLLDFER | 1.0025 | 0.105 | (4) Phospho (ST),(10) | | | |
| E2 01 2 | 3 SNISPNFNFMGQLLDFER | 1.07333 | 0.03134 | (4) Phospho (ST),(10) | | | |
| E2 02 1 | 3 SNISPNFNFMGQLLDFER | 0.9475 | 0.02623 | (3) Phospho (ST) | | | |
| E2 02 2 | 3 SNISPNFNFMGQLLDFER | 0.9675 | 0.02469 | (3) Phospho (ST) | | | |
| E1 02 2 | 2 SNSELEDELCKEK | 0.61242 | 0.04156 | (3) Phospho (ST) | | | |
| E1 02 1 | 2 SNSELEDELCKEK | 0.62808 | 0.03929 | (3) Phospho (ST) | | | |
| E1 01 3 | 3 SNSELEDELCKEK | 0.66508 | 0.03518 | (3) Phospho (ST) | | | |
| E1 01 1 | 3 SNSELEDELCKEK | 0.68158 | 0.07014 | (3) Phospho (ST) | | | |
| E1 02 | 3 SNSELEDELCKEK | 1.67729 | 0.01733 | (3) Phospho (ST) | | | |
| E1 04 1 | 3 SNFSDEREFSGPSTPTGTELEFEGGEVSLGGK | 0.92417 | 0.06858 | (3) Phospho (ST) | | | |
| E2 04 1 | 3 SNFSDEREFSGPSTPTGTELEFEGGEVSLGGK | 1.0925 | 0.09587 | (3) Phospho (ST) | | | |
| E1 03 2 | 2 SPAVATSTAAPPPSPPLSK | 0.99667 | 0.01284 | (16) Phospho (ST) | | | |
| E2 03 | 3 SPDVISSASTALSODPEIAEALS | 1.00267 | 0.0155 | (1) Phospho (ST) | | | |
| E2 02 1 | 3 SPEKIEEVLSPGSPSKSPSK | 0.99333 | 0.08586 | (14) Phospho (ST),(18) | | | |
| E2 02 2 | 3 SPEKIEEVLSPGSPSKSPSK | 1.03833 | 0.0545 | (14) Phospho (ST),(18) | | | |
| E2 02 2 | 3 SPEKIEEVLSPGSPSKSPSK | 1.02917 | 0.02164 | (18) Phospho (ST) | | | |
| E1 02 1 | 3 SPEKIEEVLSPGSPSKSPSK | 0.97833 | 0.02652 | (20) Phospho (ST) | | | |
| E1 02 2 | 3 SPEKIEEVLSPGSPSKSPSK | 0.9825 | 0.03214 | (20) Phospho (ST) | | | |
| E2 02 2 | 3 SPEKIEEVLSPGSPSKSPSK | 1.02917 | 0.02164 | (20) Phospho (ST) | | | |
| E2 01 2 | 3 SPGETSKPRFFAGGGYR | 1.32667 | 0.05483 | (1) Phospho (ST) | | | |
| E2 01 1 | 3 SPGETSKPRFFAGGGYR | 1.39667 | 0.02794 | (1) Phospho (ST) | | | |
| E1 01 1 | 2 SPGHMVLDTQK | 0.88417 | 0.08718 | (1) Phospho (ST) | | | |
| E1 01 3 | 2 SPGHMVLDTQK | 0.935 | 0.11 | (1) Phospho (ST) | | | |
| E1 01 1 | 3 SPQKCDQKPARSFACKL | 0.74592 | 0.09224 | (1) Phospho (ST) | | | |
| E2 04 1 | 4 EPLGGLQK | 1.00583 | 0.02864 | (11) Phospho (ST) | | | |

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|---------|------------------------------------|---------|----------|------------------------|--|--|--|
| E2 02 2 | 3 SPPYATFLGNLPYDVTESK | 1.335 | 0.08443 | (1) Phospho (ST) | | | |
| E1 02 2 | 2 SPSFASEWDEEK | 0.80975 | 0.2162 | (3) Phospho (ST) | | | |
| E1 02 | 2 SPSFASEWDEEK | 0.95724 | 0.03811 | (3) Phospho (ST) | | | |
| E1 02 1 | 2 SPSFASEWDEEK | 0.98667 | 0.0282 | (3) Phospho (ST) | | | |
| E1 01 3 | 3 SPSKPEHPTDFEGK | 0.7535 | 0.07631 | (3) Phospho (ST) | | | |
| E2 02 1 | 3 SPSPTQHTGPPGQPSAPLSAPR | 1.14917 | 0.01953 | (3) Phospho (ST) | | | |
| E1 04 1 | 3 SPSDDLDTDAEGDDFELLDQSELSQLDPASSR | 0.975 | 0.02768 | (4) Phospho (ST),(8) | | | |
| E1 04 3 | 3 SPSDDLDTDAEGDDFELLDQSELSQLDPASSR | 1.02333 | 0.0358 | (4) Phospho (ST),(8) | | | |
| E2 02 1 | 3 SPTMEQAVQTASAHLPAPAAGR | 0.75817 | 0.03512 | (1) Phospho (ST) | | | |
| E2 02 1 | 3 SPTMEQAVQTASAHLPAPAAGR | 0.75817 | 0.03512 | (3) Phospho (ST) | | | |
| E1 01 | 3 SPVSTRPLPSASQK | 1.24688 | 0.05092 | (1) Phospho (ST) | | | |
| E1 02 | 3 SQDATFSPGSEQAESPGRVSR | 0.70356 | 0.07994 | (16) Phospho (ST) | | | |
| E1 03 2 | 3 SQDDHPESDDEENFDANDEDMEK | 1.0425 | 0.1359 | (9) Phospho (ST) | | | |
| E1 03 1 | 3 SQDDHPESDDEENFDANDEDMEK | 1.06083 | 0.07458 | (9) Phospho (ST) | | | |
| E2 03 1 | 3 SOSDLDDQHDYDVSASDEDTDQEPLR | 1.05167 | 0.03697 | (13) Phospho (ST),(16) | | | |
| E2 01 2 | 2 SOSLPTLLSPVR | 0.79608 | 0.02317 | (3) Phospho (ST) | | | |
| E2 01 1 | 2 SOSLPTLLSPVR | 0.81067 | 0.03185 | (3) Phospho (ST) | | | |
| E2 01 | 2 SOSLPTLLSPVR | 1.2087 | 0.03457 | (3) Phospho (ST) | | | |
| E2 01 1 | 3 SOSSHYDDSTPLIDR | 0.8975 | 0.02159 | (11) Phospho (ST) | | | |
| E2 01 2 | 3 SOSSHYDDSTPLIDR | 0.925 | 0.02855 | (11) Phospho (ST) | | | |
| E2 01 2 | 3 SRDDLVDQDSDRDFPR | 1.10083 | 0.08222 | (1) Phospho (ST) | | | |
| E2 04 2 | 2 SRINSSGESGDESDFLQSR | 1.06917 | 0.08955 | (5) Phospho (ST),(9) | | | |
| E2 01 1 | 3 SRLSAEIDPVSHTT | 0.9025 | 0.00941 | (4) Phospho (ST) | | | |
| E2 01 1 | 2 SRSPAIR | 1.00083 | 0.0438 | (1) Phospho (ST),(3) | | | |
| E2 01 1 | 3 SRHTSTSSSLGSGSPFSR | 1.16833 | 0.04666 | (6) Phospho (ST) | | | |
| E2 01 2 | 3 SRHTSTSSSLGSGSPFSR | 1.17417 | 0.0537 | (7) Phospho (ST) | | | |
| E2 01 1 | 3 SRHTSTSSSLGSGSPFSR | 1.16833 | 0.04666 | (9) Phospho (ST) | | | |
| E1 04 3 | 3 SSGDVLTFNLFENLADSDDEEENDMIEGPEG | 1.12083 | 0.01763 | (18) Phospho (ST) | | | |
| E1 04 3 | 3 SSGDVLTFNLFENLADSDDEEENDMIEGPEG | 1.12417 | 0.03161 | (8) Phospho (ST),(26) | | | |
| E2 01 1 | 3 SSIHNFMTPEFR | 0.92583 | 0.05491 | (2) Phospho (ST) | | | |
| E2 01 1 | 3 SSKASLGSLEGEAEAEASSPK | 0.74617 | 0.04471 | (5) Phospho (ST),(8) | | | |
| E2 01 | 3 SSKASLGSLEGEAEAEASSPK | 0.94697 | 0.02759 | (5) Phospho (ST),(8) | | | |
| E2 01 2 | 3 SSKASLGSLEGEAEAEASSPK | 0.95333 | 0.04201 | (5) Phospho (ST),(8) | | | |
| E2 03 | 2 SSLAETLDSTGSLDPQR | 2.18468 | 0.03533 | (10) Phospho (ST),(12) | | | |
| E1 01 3 | 3 SSLLETLEDIENAPLRR | 0.63058 | 0.05316 | (2) Phospho (ST) | | | |
| E1 01 1 | 3 SSLLETLEDIENAPLRR | 0.70625 | 0.07838 | (2) Phospho (ST) | | | |
| E2 02 2 | 2 SLSGDEEDELFK | 0.9425 | 0.1623 | (2) Phospho (ST),(4) | | | |
| E2 02 1 | 2 SLSGDEEDELFK | 0.965 | 0.1248 | (2) Phospho (ST),(4) | | | |
| E1 01 3 | 2 SSMGSLHLVK | 0.80325 | 0.03083 | (3) Phospho (ST) | | | |
| E2 01 1 | 2 SSMGSLHLVK | 0.79667 | 0.1021</ | | | | |

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|---------|----------------------------------|---------|---------|-----------------------------------------------------------|----|--|--|
| E2 01 1 | 3 STSRDLDDIMLTK | 0.73417 | 0.08374 | (3) Phospho (ST) | | | |
| E1 03 1 | 2 STTPPPAEFVSLPQEPK | 1.0425 | 0.1628 | (3) Phospho (ST) | | | |
| E1 01 | 3 STTPPPAEFVSLPQEPKPKR | 0.97339 | 0.01054 | (3) Phospho (ST) | | | |
| E1 01 1 | 3 STTPPPAEFVSLPQEPKPKR | 1.02167 | 0.01243 | (3) Phospho (ST) | | | |
| E1 04 1 | 2 STTPPPAEFVSLPQEPKPKR | 1.02333 | 0.03334 | (3) Phospho (ST) | | | |
| E1 03 2 | 2 STTPPPAEFVSLPQEPKPKR | 1.03417 | 0.04282 | (3) Phospho (ST) | | | |
| E2 01 | 3 STTPPPAEFVSLPQEPKPKR | 1.03663 | 0.02344 | (3) Phospho (ST) | | | |
| E2 01 1 | 3 STTPPPAEFVSLPQEPKPKR | 1.09083 | 0.03969 | (3) Phospho (ST) | | | |
| E1 03 3 | 3 STTPPPAEFVSLPQEPKPKR | 1.1625 | 0.0317 | (3) Phospho (ST) | | | |
| E1 04 3 | 2 STTPPPAEFVSLPQEPKPKR | 1.17833 | 0.05934 | (3) Phospho (ST) | | | |
| E1 01 3 | 2 SVDFDSLTVR | 1.0275 | 0.01674 | (1) Phospho (ST) | | | |
| E1 01 1 | 2 SVDFDSLTVR | 1.04167 | 0.04592 | (1) Phospho (ST) | | | |
| E1 03 2 | 3 SVEDVRPHHTDANNQSCAFEPDQK | 1.04917 | 0.02763 | (1) Phospho (ST) | | | |
| E1 03 4 | 3 SVEDVRPHHTDANNQSCAFEPDQK | 1.04417 | 0.01559 | (10) Phospho (ST) | | | |
| E2 02 2 | 2 SVSSDSLGPFPAPAR | 1.20583 | 0.04658 | (3) Phospho (ST) | | | |
| E2 01 1 | 2 SVWVGLAVQNSPK | 1.21417 | 0.09005 | (11) Phospho (ST) | | | |
| E1 03 2 | 2 SWASPVYTEADGTFSR | 0.86917 | 0.01997 | (1) Phospho (ST) | | | |
| E2 02 2 | 2 SWASPVYTEADGTFSR | 0.87833 | 0.04481 | (1) Phospho (ST) | | | |
| E2 03 1 | 2 SWASPVYTEADGTFSR | 0.88 | 0.03145 | (1) Phospho (ST) | | | |
| E1 03 1 | 2 SWASPVYTEADGTFSR | 0.88083 | 0.0336 | (1) Phospho (ST) | | | |
| E1 03 | 2 SWASPVYTEADGTFSR | 1.23153 | 0.07951 | (1) Phospho (ST) | | | |
| E1 01 3 | 2 WSPFPEVSR | 1.06083 | 0.1274 | (3) Phospho (ST) | | | |
| E1 03 2 | 2 SYSPDITQAEQEEK | 0.87167 | 0.0496 | (4) Phospho (ST) | | | |
| E1 03 1 | 3 TASISSPSEGTPVGSYGCTPQSLPK | 0.79058 | 0.04524 | (3) Phospho (ST) | | | |
| E1 03 2 | 3 TASISSPSEGTPVGSYGCTPQSLPK | 0.79367 | 0.0466 | (3) Phospho (ST) | | | |
| E2 03 2 | 3 TASISSPSEGTPVGSYGCTPQSLPK | 0.83917 | 0.03311 | (3) Phospho (ST) | | | |
| E1 01 3 | 3 TDGFAEAIHSPQVAVGPR | 0.75817 | 0.03218 | (10) Phospho (ST) | | | |
| E1 03 3 | 3 TDSREDEISPPPNPVVK | 1.525 | 0.03097 | (9) Phospho (ST) | | | |
| E1 03 1 | 3 TDSREDEISPPPNPVVK | 1.56083 | 0.04852 | (9) Phospho (ST) | | | |
| E1 03 3 | 3 TESPAATAEASEELDNR | 0.9775 | 0.01715 | (10) Phospho (ST) | | | |
| E1 01 | 3 TESPAATAEASEELDNR | 1.1811 | 0.01964 | (10) Phospho (ST) | | | |
| E1 01 3 | 2 TFDIASGFR | 1.01167 | 0.03197 | (7) Phospho (ST) | | | |
| E1 04 1 | 3 TFOQEEEDDDYPGYSYPODPSAGPLLTELK | 0.9625 | 0.01932 | (18) Phospho (ST) | | | |
| E2 03 2 | 3 TGAATATLPGAAAEESLVESSEVAVIGFFK | 0.74142 | 0.02758 | | | | |
| E2 03 1 | 3 TGAATATLPGAAAEESLVESSEVAVIGFFK | 0.76417 | 0.01892 | | | | |
| E2 02 2 | 3 TGSGPSFAGNSPAREGEQDAASLK | 1.09833 | 0.04059 | (3) Phospho (ST);(11) Phospho (ST) | | | |
| E1 04 1 | 2 TGSGPSFAGNSPAREGEQDAASLK | 1.12917 | 0.02101 | (5) Phospho (ST);(11) Phospho (ST) | | | |
| E1 02 2 | 3 TGSGPSFAGNSPAREGEQDAASLK | 1.15167 | 0.03402 | (5) Phospho (ST);(11) Phospho (ST) | | | |
| E2 04 2 | 2 TGSGPSFAGNSPAREGEQDAASLK | 1.30417 | 0.0873 | (5) Phospho (ST);(11) Phospho (ST) | | | |
| E2 03 2 | 3 TGSSSPGGPKPKGQSLDSMLGSLQSLDNK | 1.105 | 0.04531 | (5) Phospho (ST) | | | |
| E2 03 1 | 3 TGSSSPGGPKPKGQSLDSMLGSLQSLDNK | 1.1125 | 0.03849 | (5) Phospho (ST) | | | |
| E2 03 2 | 2 THSTSSSLGSGESFESR | 1.26333 | 0.08774 | (3) Phospho (ST) | | | |
| E1 03 1 | 2 TGGGDDSFNTFFSEGAOK | 0.69242 | 0.08605 | (8) Phospho (ST) | | | |
| E1 01 1 | 3 TQEVLEEQSEDEDEAK | 1.19333 | 0.03276 | (10) Phospho (ST) | | | |
| E1 01 1 | 3 TSAQDTLAYATALLNEK | 0.99833 | 0.02175 | (3) Phospho (ST) | | | |
| E1 01 1 | 4 TKFASDDEHDEHDENATGTPVK | 1.0125 | 0.04296 | (5) Phospho (ST) | | | |
| E1 03 4 | 4 TKFASDDEHDEHDENATGTPVK | 1.01417 | 0.05313 | (5) Phospho (ST) | | | |
| E1 01 3 | 4 TKFASDDEHDEHDENATGTPVK | 1.06583 | 0.0825 | (5) Phospho (ST);(15) Deamidated (NQ) | | | |
| E1 01 1 | 4 TKFASDDEHDEHDENATGTPVK | 1.11833 | 0.08905 | (5) Phospho (ST);(15) Deamidated (NQ) | | | |
| E1 01 3 | 3 TLDRSGLDGMELPK | 0.8675 | 0.02624 | (5) Phospho (ST) | | | |
| E1 02 1 | 4 TLHCEGTENSDDQESKEVEETATAK | 1.10083 | 0.1112 | (11) Phospho (ST) | | | |
| E1 03 1 | 3 TLHCEGTENSDDQESKEVEETATAK | 1.11583 | 0.02224 | (11) Phospho (ST) | | | |
| E2 01 1 | 3 TLSESSSQSSKSPSLSSK | 0.98583 | 0.09028 | (10) Phospho (ST) | | | |
| E2 01 2 | 3 TLSESSSQSSKSPSLSSK | 1 | 0.07164 | (13) Phospho (ST) | | | |
| E2 01 1 | 2 TLLMLPTEGSLR | 0.83333 | 0.05438 | (10) Phospho (ST) | | | |
| E2 02 2 | 3 TLVLSNLSYATEETLQEVFEK | 1.03583 | 0.02262 | | | | |
| E2 01 1 | 3 TLVLSNLSYATEETLQEVFEK | 1.04417 | 0.01287 | | | | |
| E2 04 | 2 TPEELDDSDFETEDFVDR | 0.73099 | 0.02008 | (8) Phospho (ST) | | | |
| E1 04 | 2 TPEELDDSDFETEDFVDR | 0.8547 | 0.01612 | (8) Phospho (ST) | | | |
| E1 01 1 | 3 TPEELDDSDFETEDFVDR | 0.98583 | 0.04373 | (8) Phospho (ST) | | | |
| E1 01 3 | 3 TPEELDDSDFETEDFVDR | 1.00167 | 0.02813 | (8) Phospho (ST) | | | |
| E2 04 1 | 2 TPEELDDSDFETEDFVDR | 1.04833 | 0.01778 | (8) Phospho (ST) | | | |
| E2 04 2 | 2 TPEELDDSDFETEDFVDR | 1.05 | 0.01513 | (8) Phospho (ST) | | | |
| E1 04 3 | 2 TPEELDDSDFETEDFVDR | 1.06 | 0.00988 | (8) Phospho (ST) | | | |
| E1 04 1 | 2 TPEELDDSDFETEDFVDR | 1.06917 | 0.00849 | (8) Phospho (ST) | | | |
| E2 01 2 | 3 TPKDSPIGPPSANAHQLFR | 1.05333 | 0.04272 | (5) Phospho (ST) | | | |
| E2 01 1 | 3 TPKDSPIGPPSANAHQLFR | 1.07 | 0.03382 | (5) Phospho (ST) | | | |
| E2 04 2 | 3 TPLSFTNPLHSDSDSDERNSDGAVTQNK | 1.09917 | 0.04505 | (11) Phospho (ST);(14) Phospho (ST) | | | |
| E2 04 1 | 3 TPLSFTNPLHSDSDSDERNSDGAVTQNK | 1.10917 | 0.02855 | (11) Phospho (ST);(14) Phospho (ST) | | | |
| E2 01 1 | 3 TPSSEESIPKFPGLYR | 0.75567 | 0.02431 | (3) Phospho (ST) | | | |
| E2 01 2 | 3 TPSSEESIPKFPGLYR | 0.7805 | 0.01966 | (3) Phospho (ST) | | | |
| E2 02 | 2 TQTPPLGQTPQLGLK | 0.80472 | 0.05101 | (3) Phospho (ST) | | | |
| E2 02 2 | 2 TQTPPLGQTPQLGLK | 1.01333 | 0.03321 | (3) Phospho (ST) | | | |
| E2 02 1 | 2 TQTPPLGQTPQLGLK | 1.01417 | 0.05517 | (3) Phospho (ST) | | | |
| E2 03 1 | 3 TQTPPVSPAPQTEERLPSPPYVDAASFK | 1.38667 | 0.03424 | (20) Phospho (ST) | | | |
| E2 04 2 | 3 TQTPPVSPAPQTEERLPSPPYVDAASFK | 1.48583 | 0.04421 | (20) Phospho (ST) | | | |
| E2 03 1 | 3 TQTPPVSPAPQTEERLPSPPYVDAASFK | 1.16167 | 0.0579 | (3) Phospho (ST) | | | |
| E2 04 2 | 3 TQTPPVSPAPQTEERLPSPPYVDAASFK | 1.46917 | 0.02276 | (3) Phospho (ST);(23) Phospho (Y) | | | |
| E1 04 | 3 TQTPPVSPAPQTEERLPSPPYVDAASFK | 0.70389 | 0.03586 | (3) Phospho (ST);(7) Phospho (ST) | | | |
| E2 04 | 3 TQTPPVSPAPQTEERLPSPPYVDAASFK | 0.71667 | 0.04912 | (3) Phospho (ST);(7) Phospho (ST) | | | |
| E1 04 3 | 3 TQTPPVSPAPQTEERLPSPPYVDAASFK | 1.34917 | 0.02346 | (7) Phospho (ST);(13) Phospho (ST) | | | |
| E2 03 1 | 3 TRSPDVISSASTALSQDPEASEALSR | 1.14333 | 0.00533 | (3) Phospho (ST) | | | |
| E2 03 2 | 3 TRSPDVISSASTALSQDPEASEALSR | 1.15583 | 0.00574 | (3) Phospho (ST) | | | |
| E2 04 1 | 2 TSAACAATVLDSDSDDFDEK | 0.95583 | 0.0407 | (12) Phospho (ST);(15) Phospho (ST) | | | |
| E2 02 2 | 2 TSFVSGSDDELGPGR | 0.87667 | 0.09628 | (7) Phospho (ST) | | | |
| E2 02 1 | 2 TSFVSGSDDELGPGR | 0.90417 | 0.04915 | (7) Phospho (ST) | | | |
| E1 02 2 | 2 TSFVSGSDDELGPGR | 0.98333 | 0.06555 | (7) Phospho (ST) | | | |
| E1 04 1 | 2 TSLIFEEEDSTSEVLDEELK | 1.24833 | 0.02625 | (12) Phospho (ST) | | | |
| E2 02 1 | 2 TSMGGTQQGFVEGVR | 1.025 | 0.04655 | (2) Phospho (ST) | | | |
| E2 02 1 | 4 TSPKPAVVETVTTAKPQQIQLMDEVTK | 1.21 | 0.03371 | (2) Phospho (ST) | | | |
| E2 03 2 | 3 TSPKPAVVETVTTAKPQQIQLMDEVTK | 1.27917 | 0.02262 | (2) Phospho (ST) | | | |
| E2 02 1 | 3 TSSESMSRPGSSPSPGHTIYAK | 1.03583 | 0.03575 | (3) Phospho (ST) | | | |
| E2 02 1 | 3 TSSESMSRPGSSPSPGHTIYAK | 1.03583 | 0.03575 | (3) Phospho (ST) | | | |
| E2 02 2 | 3 TSSESMSRPGSSPSPGHTIYAK | 1.0775 | 0.03553 | (3) Phospho (ST) | | | |
| E1 03 2 | 3 TTQSMQDFPVVDEEEAEFEFQK | 1.0475 | 0.07977 | (13) Phospho (ST) | | | |
| E2 01 1 | 3 TVANLLSGSKSR | 1.1175 | 0.05985 | (10) Phospho (ST) | | | |
| E2 02 2 | 4 TVSLGAGAKDELHVEAEAMNYEGSPK | 1.05833 | 0.02484 | (20) Oxidation (M);(21) Deamidated (NQ);(25) Phospho (ST) | | | |
| E2 02 1 | 4 TVSLGAGAKDELHVEAEAMNYEGSPK | 1.03917 | 0.01748 | (20) Oxidation (M);(25) Phospho (ST) | | | |
| E2 02 2 | 4 TVSLGAGAKDELHVEAEAMNYEGSPK | 1.0575 | 0.0227 | (20) Oxidation (M);(25) Phospho (ST) | | | |
| E2 02 1 | 4 TVSLGAGAKDELHVEAEAMNYEGSPK | 0.85167 | 0.06658 | (21) Deamidated (NQ);(25) Phospho (ST) | | | |
| E2 02 2 | 4 TVSLGAGAKDELHVEAEAMNYEGSPK | 1.13583 | 0.03131 | (21) Deamidated (NQ);(25) Phospho (ST) | | | |
| E1 02 1 | 4 TVSLGAGAKDELHVEAEAMNYEGSPK | 1.19 | 0.04637 | (21) Deamidated (NQ);(25) Phospho (ST) | | | |
| E2 02 1 | 4 TVSLGAGAKDELHVEAEAMNYEGSPK | 1.0475 | 0.02221 | (25) Phospho (ST) | | | |
| E2 02 2 | 4 TVSLGAGAKDELHVEAEAMNYEGSPK | 1.06083 | 0.01881 | (25) Phospho (ST) | | | |
| E2 03 1 | 3 TVSLGAGAKDELHVEAEAMNYEGSPK | 1.14667 | 0.01246 | (25) Phospho (ST) | | | |
| E2 03 2 | 3 TVSLGAGAKDELHVEAEAMNYEGSPK | 1.18 | 0.01005 | (25) Phospho (ST) | | | |
| E2 03 1 | 3 TVSSPPTSPRPGSAATVSASTSNIPPR | 1.52333 | 0.0591 | (3) Phospho (ST);(4) Phospho (ST) | | | |
| E2 03 1 | 3 TVSSPPTSPRPGSAATVSASTSNIPPR | 1.45583 | 0.04959 | (4) Phospho (ST);(7) Phospho (ST) | | | |
| E2 03 2 | 3 TVSSPPTSPRPGSAATVSASTSNIPPR | 1.52667 | 0.06192 | (4) Phospho (ST);(7) Phospho (ST) | | | |
| E2 02 1 | 3 TWTLCGTPEYLAPEILSK | 0.8675 | 0.00556 | (3) Phospho (ST) | | | |
| E2 04 2 | 2 VADAKGSESEEDLEVPVPSR | 0.95667 | 0.01706 | (8) Phospho (ST);(10) Phospho (ST) | | | |
| E1 02 2 | 3 VADAKGSESEEDLEVPVPSR | 0.96667 | 0.0193 | (8) Phospho (ST);(10) Phospho (ST) | | | |
| E2 04 1 | 2 VADAKGSESEEDLEVPVPSR | 0.9675 | 0.01398 | (8) Phospho (ST);(10) Phospho (ST) | | | |
| E1 02 | 3 VADAKGSESEEDLEVPVPSR | 0.98945 | 0.01179 | (8) Phospho (ST);(10) Phospho (ST) | | | |
| E1 04 1 | 2 VADAKGSESEEDLEVPVPSR | 1.00583 | 0.0254 | (8) Phospho (ST);(10) Phospho (ST) | | | |
| E2 02 2 | 3 VADAKGSESEEDLEVPVPSR | 1.02333 | 0.01553 | (8) Phospho (ST);(10) Phospho (ST) | | | |
| E1 04 3 | 2 VADAKGSESEEDLEVPVPSR | 1.03167 | 0.02666 | (8) Phospho (ST);(10) Phospho (ST) | | | |
| E1 01 3 | 3 VASGSDHLTDSDSNR | 0.78992 | 0.08504 | (5) Phospho (ST) | | | |
| E1 01 | 3 VASGSDHLTDSDSNR | 1.47348 | 0.03621 | (5) Phospho (ST) | | | |
| E1 01 1 | 3 VNDLTYRTPOTLR | 0.935 | 0.03913 | (9) Phospho (ST) | | | |
| E1 01 | 3 VNDLTYRTPOTLR | 0.94578 | 0.0349 | (9) Phospho (ST) | | | |
| E2 02 1 | 3 VNDLTYRTPOTLR | 0.9625 | 0.02081 | (9) Phospho (ST) | | | |
| E2 01 1 | 3 VNDLTYRTPOTLR | 0.98417 | 0.02853 | (9) Phospho (ST) | | | |
| E1 03 2 | 2 VDPSLMEDSDDGPSLPTK | 0.74067 | 0.02949 | (6) Oxidation (M);(9) Phospho (ST) | | | |
| E2 02 2 | 2 VDPSLMEDSDDGPSLPTK | 0.69042 | 0.02816 | (9) Phospho (ST) | | | |
| E1 03 1 | 2 VDPSLMEDSDDGPSLPTK | 0.83667 | 0.01877 | (9) Phospho (ST) | | | |
| E1 03 2 | 2 VDPSLMEDSDDGPSLPTK | 0.84917 | 0.01717 | (9) Phospho (ST) | | | |
| E1 02 2 | 2 VDSTTCLFPVEEK | 0.905 | 0.0129 | (3) Phospho (ST) | | | |
| E1 02 1 | 2 VDSTTCLFPVEEK | 0.94417 | 0.01412 | (3) Phospho (ST) | | | |
| E1 02 1 | 2 VDSTTCLFPVEEK | 0.8925 | 0.01225 | (4) Phospho (ST) | | | |
| E1 02 2 | 2 VDSTTCLFPVEEK | 0.905 | 0.0129 | (4) Phospho (ST) | | | |
| E2 02 1 | 2 VDSTTCLFPVEEK | 0.94417 | 0.01412 | (4) Phospho (ST) | | | |
| E2 02 2 | 2 VDSTTCLFPVEEK | 1.22649 | 0.06705 | (4) Phospho (ST) | </ | | |

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|---------|---------------------------------|---------|---------|-------------------------------------------------------|
| E2 02 2 | 2 VLSTSTDLAAVADALK | 1.14083 | 0.1398 | (5) Phospho (ST) |
| E2 01 2 | 3 VLSTSTDLAAVADALK | 0.98917 | 0.04711 | (6) Phospho (ST) |
| E2 02 2 | 3 VLSTSTDLAAVADALLGDSR | 1.05417 | 0.06557 | (6) Phospho (ST) |
| E2 01 1 | 3 VMTIPYQMPASSPVICAGGQDR | 1.0125 | 0.03294 | (2) Oxidation (M);(13) Phospho (ST) |
| E2 03 1 | 2 VNQSALEAVTPSPFQQR | 1.04083 | 0.09045 | (12) Phospho (ST) |
| E1 04 1 | 2 VPAEDETQISDSESVFVGR | 1.115 | 0.05524 | (9) Phospho (ST);(12) Phospho (ST) |
| E1 01 1 | 3 VPKPEPPEPKPSPEK | 0.88863 | 0.1616 | (14) Phospho (ST) |
| E1 01 3 | 3 VPKPEPPEPKPSPEK | 1.0275 | 0.0956 | (14) Phospho (ST) |
| E1 01 1 | 3 VPKPEPPEPKPSPEK | 1.03917 | 0.09165 | (14) Phospho (ST) |
| E2 01 2 | 2 VPSVESLFR | 0.69633 | 0.05177 | (3) Phospho (ST) |
| E2 01 1 | 2 VPSVESLFR | 0.76133 | 0.06328 | (3) Phospho (ST) |
| E1 01 1 | 2 VPSVESLFR | 0.76333 | 0.0368 | (3) Phospho (ST) |
| E1 01 3 | 2 VPSVESLFR | 0.84 | 0.01329 | (3) Phospho (ST) |
| E1 04 | VQGEAVSNIQENTQTPVQEESEEEVDETVGE | 0.76648 | 0.01233 | (22) Phospho (ST) |
| E1 04 3 | 3 VK | 1.2075 | 0.00767 | (22) Phospho (ST) |
| E1 04 3 | VQGEAVSNIQENTQTPVQEESEEEVDETVGE | 1.21167 | 0.00944 | (22) Phospho (ST) |
| E1 04 1 | 3 VK | 1.21167 | 0.00944 | (22) Phospho (ST) |
| E2 04 1 | 3 VQPVSRPDPPEPVSDDNEEDSYDEEHOPR | 1.23833 | 0.04767 | (14) Phospho (ST);(20) Phospho (ST) |
| E1 03 2 | 3 VSALEEDMDDVESSEEEEEDEKLER | 0.94083 | 0.01693 | (13) Phospho (ST);(14) Phospho (ST) |
| E1 01 3 | 3 VSGRTSPPLDR | 0.87167 | 0.01461 | (6) Phospho (ST) |
| E1 01 3 | 2 VSGRTSPPLDR | 0.9075 | 0.02983 | (6) Phospho (ST) |
| E1 02 | 3 VTFEPGSGDENGTSNKEDEFR | 0.87413 | 0.05979 | (8) Phospho (ST);(12) Deamidated (NQ) |
| E1 02 1 | 3 VTFEPGSGDENGTSNKEDEFR | 1.27667 | 0.1126 | (8) Phospho (ST);(12) Deamidated (NQ) |
| E1 03 2 | 3 VTLQDYRLPDSDDDEETAQR | 1.12417 | 0.0096 | (11) Phospho (ST) |
| E1 03 1 | 3 VTLQDYRLPDSDDDEETAQR | 1.13417 | 0.02405 | (11) Phospho (ST) |
| E2 03 2 | 3 VTTEQLPSPQSVVEEQSPASLSLRL | 1.18833 | 0.06081 | (11) Phospho (ST) |
| E2 03 1 | 2 VVDYSQFQESDDADEDYGR | 0.84746 | 0.01498 | (10) Phospho (ST) |
| E1 04 3 | 2 VVDYSQFQESDDADEDYGR | 1.025 | 0.02971 | (10) Phospho (ST) |
| E1 04 1 | 2 VVDYSQFQESDDADEDYGR | 1.14333 | 0.02794 | (10) Phospho (ST) |
| E2 04 1 | 2 VVDYSQFQESDDADEDYGR | 1.1625 | 0.01436 | (10) Phospho (ST) |
| E1 03 | 3 VVDYSQFQESDDADEDYGRDVGPPPTK | 0.83011 | 0.01607 | (10) Phospho (ST) |
| E1 03 1 | 3 VVDYSQFQESDDADEDYGRDVGPPPTK | 1.0725 | 0.02038 | (10) Phospho (ST) |
| E1 03 2 | 3 VVDYSQFQESDDADEDYGRDVGPPPTK | 1.13583 | 0.01579 | (10) Phospho (ST) |
| E2 03 2 | 3 VVDYSQFQESDDADEDYGRDVGPPPTK | 1.175 | 0.01866 | (10) Phospho (ST) |
| E2 03 1 | 3 VVDYSQFQESDDADEDYGRDVGPPPTK | 1.21833 | 0.01075 | (10) Phospho (ST) |
| E2 02 1 | 2 VVPSFLPVDQGGSLVGR | 0.77225 | 0.06857 | (13) Phospho (ST) |
| E2 02 2 | 2 VVPSFLPVDQGGSLVGR | 0.78217 | 0.01795 | (13) Phospho (ST) |
| E2 03 | 2 VVPSFLPVDQGGSLVGR | 1.23762 | 0.1723 | (13) Phospho (ST) |
| E2 02 | 2 VVPSFLPVDQGGSLVGR | 1.28205 | 0.1305 | (13) Phospho (ST) |
| E2 02 | 4 WAHDKFSGEEGIEDESGETENREEK | 0.83519 | 0.02074 | (7) Phospho (ST);(18) Phospho (ST) |
| E2 03 2 | 3 WAHDKFSGEEGIEDESGETENREEK | 1.1775 | 0.03558 | (7) Phospho (ST);(18) Phospho (ST) |
| E1 03 1 | 3 WAHDKFSGEEGIEDESGETENREEK | 1.18417 | 0.02906 | (7) Phospho (ST);(18) Phospho (ST) |
| E1 03 2 | 3 WAHDKFSGEEGIEDESGETENREEK | 1.2425 | 0.02654 | (7) Phospho (ST);(20) Phospho (ST) |
| E1 02 2 | 3 WEDGSRDGVSLGAVSSTEEASR | 0.58092 | 0.04699 | (10) Phospho (ST);(15) Phospho (ST) |
| E1 02 1 | 3 WEDGSRDGVSLGAVSSTEEASR | 0.609 | 0.03812 | (10) Phospho (ST);(15) Phospho (ST) |
| E2 02 2 | 2 WLDESDAEMELR | 0.7045 | 0.1604 | (5) Phospho (ST) |
| E2 02 1 | 2 WLDESDAEMELR | 0.75525 | 0.08471 | (5) Phospho (ST) |
| E1 02 2 | 2 WLDESDAEMELR | 0.78167 | 0.01753 | (5) Phospho (ST) |
| E1 02 | 2 WLDESDAEMELR | 1.26582 | 0.09083 | (5) Phospho (ST) |
| E1 02 2 | 2 WLDESDAEMELR | 0.82925 | 0.06795 | (5) Phospho (ST);(9) Oxidation (M) |
| E2 03 | 3 WVEENVPSVTDVALPALLDSDEER | 0.7222 | 0.03087 | (21) Phospho (ST) |
| E2 04 | 2 WVEENVPSVTDVALPALLDSDEER | 0.73565 | 0.03134 | (21) Phospho (ST) |
| E2 04 1 | 2 WVEENVPSVTDVALPALLDSDEER | 1.02667 | 0.022 | (21) Phospho (ST) |
| E2 03 1 | 3 WVEENVPSVTDVALPALLDSDEER | 1.12083 | 0.04097 | (21) Phospho (ST) |
| E2 04 1 | 3 YAFMPLDDSDDEEFMVTSENLETK | 0.88167 | 0.01659 | (10) Phospho (ST);(15) Phospho (ST);(18) Phospho (ST) |
| E2 03 1 | 3 YGLLANTEDPTMASLSDDEETVFESR | 0.5865 | 0.1053 | (3) Phospho (ST) |
| E1 01 1 | 3 YGSVDDERLSAEEMDR | 0.86667 | 0.0651 | (3) Phospho (ST) |
| E1 01 | 3 YGSVDDERLSAEEMDR | 1.18859 | 0.08796 | (3) Phospho (ST) |
| E1 02 1 | 3 YKLDDEDELLGNLSETELK | 0.93667 | 0.01231 | (14) Phospho (ST) |
| E1 02 2 | 2 YLLGDAPVSPSSQK | 1.21833 | 0.01255 | (9) Phospho (ST) |
| E1 02 1 | 2 YLLGDAPVSPSSQK | 1.23917 | 0.01602 | (9) Phospho (ST) |
| E1 01 1 | 2 YLSFTPPEK | 0.90167 | 0.00924 | (3) Phospho (ST) |
| E2 01 2 | 2 YLSFTPPEK | 0.92333 | 0.00884 | (3) Phospho (ST) |
| E2 01 1 | 2 YLSFTPPEK | 0.9375 | 0.00915 | (3) Phospho (ST) |
| E2 03 2 | 3 YLVDGTPKNAGSEIISSEDELVEEK | 0.98167 | 0.0226 | (12) Phospho (ST);(16) Phospho (ST);(17) Phospho (ST) |
| E2 03 1 | 3 YLVDGTPKNAGSEIISSEDELVEEK | 1.17333 | 0.04994 | (12) Phospho (ST);(16) Phospho (ST);(17) Phospho (ST) |
| E2 03 2 | 3 YLVDGTPKNAGSEIISSEDELVEEK | 1.20417 | 0.0389 | (2) Oxidation (M);(23) Phospho (ST) |
| E1 04 | 3 YMAENPTAGVVQEEEDNLEYSDGNPIPTK | 0.86705 | 0.02428 | (2) Oxidation (M);(23) Phospho (ST) |
| E1 04 1 | 3 YMAENPTAGVVQEEEDNLEYSDGNPIPTK | 1.09167 | 0.01263 | (2) Oxidation (M);(23) Phospho (ST) |
| E1 04 3 | 3 YMAENPTAGVVQEEEDNLEYSDGNPIPTK | 1.13167 | 0.01291 | (2) Oxidation (M);(23) Phospho (ST) |
| E1 03 | 3 YQDEVFGGFVTEPQEESEEEVEEPEER | 1.00536 | 0.03166 | (17) Phospho (ST) |
| E1 03 2 | 3 YQDEVFGGFVTEPQEESEEEVEEPEER | 1.15417 | 0.02281 | (8) Phospho (ST);(9) Phospho (ST) |
| E2 02 1 | 3 YRQEQESSGEEDSLSPEER | 1.215 | 0.03652 | (8) Phospho (ST);(9) Phospho (ST) |
| E2 04 1 | 2 YRQEQESSGEEDSLSPEER | 1.3825 | 0.04189 | (7) Phospho (ST);(9) Phospho (ST) |
| E2 02 2 | 3 YSHSYLSDSDTEAKLETINA | 0.89833 | 0.01585 | (7) Phospho (ST);(9) Phospho (ST) |
| E2 02 1 | 3 YSHSYLSDSDTEAKLETINA | 0.91583 | 0.01287 | (1) Phospho (Y);(7) Phospho (ST) |
| E2 01 1 | 3 YSPSQNSPIHHPSR | 0.845 | 0.3137 | (1) Phospho (Y);(7) Phospho (ST) |
| E2 01 2 | 3 YSPSQNSPIHHPSRR | 1.02917 | 0.01628 | (1) Phospho (Y);(7) Phospho (ST) |
| E2 01 1 | 3 YSPSQNSPIHHPSRR | 1.04083 | 0.01276 | (1) Phospho (Y);(7) Phospho (ST) |

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| E2 01 1 | 4 YSPSQNSPIHHPSRR | 1.05833 | 0.04166 | (1) Phospho (Y);(7) Phospho (ST) |
| E2 01 2 | 4 YSPSQNSPIHHPSRR | 1.07417 | 0.04812 | (1) Phospho (Y);(7) Phospho (ST) |
| E2 01 2 | 3 YSPSQNSPIHHPSRR | 1.02917 | 0.01628 | (2) Phospho (ST);(7) Phospho (ST) |
| E2 01 2 | 4 YSPSQNSPIHHPSRR | 1.07167 | 0.05158 | (2) Phospho (ST);(7) Phospho (ST) |
| E2 03 2 | 3 YDDIMFDSSEDEDRAVQVTK | 1.1975 | 0.1717 | (9) Phospho (ST);(11) Phospho (ST) |
| E2 03 1 | 3 YDDIMFDSSEDEDRAVQVTK | 1.20583 | 0.04174 | (9) Phospho (ST);(11) Phospho (ST) |

