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Supporting Information

Fig. S1 Cartoon illustrations of exemplar local three dimensional structures around succinylation sites. (A) Cartoon illustration of PDB:1Z45, chain A, the succinylation site (K229) and flanking non-succinylation sites (K182,K183,K186,K256) are colored red and blue, respectively. (B) Cartoon illustration of PDB:1KK9, chain A, the succinylation site (K102) and flanking non-succinylation sites (K90,K105,K115,K117) are colored red and blue, respectively. (C) Cartoon illustration of PDB:1SUR, chain A, the succinylation site (K135) and flanking non-succinylation sites (K95,K97,K101,K118,K129,K144,K177) are colored red and blue, respectively.

Fig. S2 (A) The input page of the SuccinSite server. Users can paste and submit the query sequence into the text box for the prediction job; (B) The output page of the SuccinSite server, which provides an example output of the prediction result for the query sequence. (DOC)

Table S1 The impact of window sizes on the performance of SuccinSite. (DOC)

Table S2 The most 50 important CKSAAP encoding mRMR features scores and their corresponding amino acid pairs are presented. (DOC)

Table S3 The most 50 important binary encoding mRMR features scores, positions and corresponding amino acids are presented. (DOC)

Table S4 The most 50 important AAindex mRMR features scores, amino acids with window positions and corresponding properties are presented. (DOC)