**Appendix 4 Representation of the sequence change caused by introduction of a mutation**

1.3b The actual sequence change of a mutation should be systematically captured, and not just the position and effect as is currently the case in PSI-MI XML2.5.

PMID: **10481074**

A proline to arginine mutation at position 639 in a sequence

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Assays involving GS-1 were not added as the peptide did not match GS-1 of any species. The phosphorylation of Tau by GSK was not added as the exact identity and origins of GSK are not known.

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derived from immature ovaries of fall armyworm Spodoptera frugiperda pupae</**attribute**>

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<**alias type="synonym" typeAc="MI:1041"**>(2S)-2-amino-3-(phosphonooxy)propanoic acid</**alias**>

<**alias type="synonym" typeAc="MI:1041"**>2-amino-3-hydroxypropanoic acid 3-phosphate</**alias**>

<**alias type="synonym" typeAc="MI:1041"**>2-azanyl-3-(phosphonooxy)propanoic acid</**alias**>

<**alias type="synonym" typeAc="MI:1041"**>ACT\_SITE Phosphoserine intermediate</**alias**>

<**alias type="synonym" typeAc="MI:1041"**>MOD\_RES Phosphoserine</**alias**>

<**alias type="synonym" typeAc="MI:1041"**>O-phospho-L-serine</**alias**>

<**alias type="synonym" typeAc="MI:1041"**>O-phosphonoserine</**alias**>

<**alias type="synonym" typeAc="MI:1041"**>O-phosphorylated L-serine</**alias**>

<**alias type="synonym" typeAc="MI:1041"**>O3-phosphoserine</**alias**>

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<**secondaryRef db="resid" dbAc="MI:0248" id="AA0037" refType="see-also" refTypeAc="MI:0361"**/>

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