

Table S1 The amino acid sequences of constructs (N-C).

Src SH2 Wt	<u>WYFGKITRRESERLLLNAENPRGTFLLVRESETTKGAYCLSVSDFDNAKGLNVKHYKIRKLDSGGFYITSRTQFNSLQQLVAYYSKHADGLCHRLTTVC</u>
Src SH2 TrM	<u>WYFGKITRRESERLLLNAENPRGTFLLVRESETVKGAYALSVDNAKGLNVKHYLIRKLDSGGFYITSRTQFNSLQQLVAYYSKHADGLCHRLTTVC</u>
GST-Src SH2 Wt-(Arg) ₉	<u>MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAIEI SMLEGAVLDIRYGVSRIAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKR IEAIPQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDLVPRGSDSIQAEEWYFGKITRRESERLLLNAENPRGTFLLVRESETTKGAYCLSVS DFDNAKGLNVKHYKIRKLDSGGFYITSRTQFNSLQQLVAYYSKHADGLCHRLTTVCPTSKGRRRRRRRRR</u>
GST-Src SH2 TrM-(Arg) ₉	<u>MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAIEI SMLEGAVLDIRYGVSRIAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKR IEAIPQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDLVPRGSDSIQAEEWYFGKITRRESERLLLNAENPRGTFLLVRESETVKGAYALSVS DFDNAKGLNVKHYLIRKLDSGGFYITSRTQFNSLQQLVAYYSKHADGLCHRLTTVCPTSKGRRRRRRRRR</u>
GST-(Arg) ₉	<u>MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAIEI SMLEGAVLDIRYGVSRIAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKR IEAIPQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDLVPRGSRRRRRRRRR</u>
GST-Src SH2 Wt	<u>MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAIEI SMLEGAVLDIRYGVSRIAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKR IEAIPQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDLVPRGSDSIQAEEWYFGKITRRESERLLLNAENPRGTFLLVRESETTKGAYCLSVS DFDNAKGLNVKHYKIRKLDSGGFYITSRTQFNSLQQLVAYYSKHADGLCHRLTTVCPTSK</u>

GST-Src SH2 MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERA EI
TrM SMLEGAVLDIRYGVSRIAYS KDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKR
IEAIPQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDLVPRGSDSIQAEEWYFGKITRRESERLLLNAENPRGTFLVRESETVKGAYALSVS
DFDNAKGLNVKHYLIRKLDSGGFYITSRTQFNSLQQLVAYYSKHADGLCHRLTTVCPTSK

Src SH2 Wt or TrM sequences are underlined with wavy line. Tripe mutant sites are marked in **red** and **bold**. GST sequences are underlined with straight line. Sequence of (Arg)₉ was underlined with dotted line. GST-(Arg)₉ and GST-Src-SH2-Wt/TrM-(Arg)₉ were termed as (Arg)₉-GST and (Arg)₉-GST-Src-SH2-Wt/TrM in the manuscript.