

Supplementary Figure 1: Amino acid sequences of AsLOV2J α and fusions with JIP used with Clustal Omega¹ alignment.

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>AsLOV2J $\alpha$ 
LATTLERIEKNFVITDPRLPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHQL
PMRDQKGDVQYFIGVQLDGTEHVRDAAEREGVMLIKKTAENIDEAAKEL*
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>AsLOV2J $\alpha$ -JIP11 = "OptoJNKi"
LATTLERIEKNFVITDPRLPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHQL
PMRDQKGDVQYFIGVQLDGTEHVRDAAEREGVMLIKKTAENIDEAAKELSRRPKRPTTLNLF*
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>AsLOV2J $\alpha$ -JIP11.dsm (C450A)
LATTLERIEKNFVITDPRLPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHQL
PMRDQKGDVQYFIGVQLDGTEHVRDAAEREGVMLIKKTAENIDEAAKELSRRPKRPTTLNLF*
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>AsLOV2J $\alpha$ -JIP11.lsm (I539E)
LATTLERIEKNFVITDPRLPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHQL
PMRDQKGDVQYFIGVQLDGTEHVRDAAEREGVMLIKKTAENIDEAAKELSRRPKRPTTLNLF*
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>AsLOV2J $\alpha$ F509R-JIP11.dsm (C450A)
LATTLERIEKNFVITDPRLPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHQL
PMRDQKGDVQYFIGVQLDGTEHVRDAAEREGVMLIKKTAENIDEAAKELSRRPKRPTTLNLF*
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>AsLOV2J $\alpha$ F509R-JIP11.lsm (I539E)
LATTLERIEKNFVITDPRLPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHQL
PMRDQKGDVQYFIGVQLDGTEHVRDAAEREGVMLIKKTAENIDEAAKELSRRPKRPTTLNLF*
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>AsLOV2J $\alpha$ -JIP10.dsm (C450A)
LATTLERIEKNFVITDPRLPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHQL
PMRDQKGDVQYFIGVQLDGTEHVRDAAEREGVMLIKKTAENIDEAAKELSRRPKRPTTLNLF*
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>AsLOV2J $\alpha$ -JIP10.lsm (I539E)
LATTLERIEKNFVITDPRLPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHQL
PMRDQKGDVQYFIGVQLDGTEHVRDAAEREGVMLIKKTAENIDEAAKELSRRPKRPTTLNLF*
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>AsLOV2J $\alpha$ -JIP12.dsm (C450A)
LATTLERIEKNFVITDPRLPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHQL
PMRDQKGDVQYFIGVQLDGTEHVRDAAEREGVMLIKKTAENIDEAAKELSRRPKRPTTLNLF*
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>AsLOV2J $\alpha$ -JIP12.lsm (I539E)
LATTLERIEKNFVITDPRLPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHQL
PMRDQKGDVQYFIGVQLDGTEHVRDAAEREGVMLIKKTAENIDEAAKELSRRPKRPTTLNLF*
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>AsLOV2J $\alpha$ -JIP13.dsm (C450A)
LATTLERIEKNFVITDPRLPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHQL
PMRDQKGDVQYFIGVQLDGTEHVRDAAEREGVMLIKKTAENIDEAAKELSRRPKRPTTLNLF*
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>AsLOV2J $\alpha$ -JIP13.lsm (I539E)
LATTLERIEKNFVITDPRLPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHQL
PMRDQKGDVQYFIGVQLDGTEHVRDAAEREGVMLIKKTAENIDEAAKELSRRPKRPTTLNLF*
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CLUSTAL O (1.2.4) multiple sequence alignment

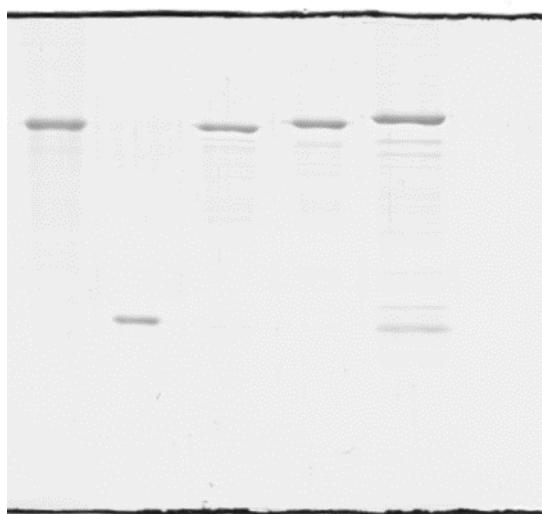
AsLOV2J α	LATTLERIEKNFVITDPLRPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATV
AsLOV2J α -JIP11	LATTLERIEKNFVITDPLRPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATV
AsLOV2J α -JIP11.dsm(C450A)	LATTLERIEKNFVITDPLRPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATV
AsLOV2J α -JIP11.1sm(I539E)	LATTLERIEKNFVITDPLRPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATV
AsLOV2J α F509R-JIP11.dsm(C450A)	LATTLERIEKNFVITDPLRPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATV
AsLOV2J α F509R-JIP11.1sm(I539E)	LATTLERIEKNFVITDPLRPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATV
AsLOV2J α -JIP10.dsm(C450A)	LATTLERIEKNFVITDPLRPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATV
AsLOV2J α -JIP10.1sm(I539E)	LATTLERIEKNFVITDPLRPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATV
AsLOV2J α -JIP12.dsm(C450A)	LATTLERIEKNFVITDPLRPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATV
AsLOV2J α -JIP12.1sm(I539E)	LATTLERIEKNFVITDPLRPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATV
AsLOV2J α -JIP13.dsm(C450A)	LATTLERIEKNFVITDPLRPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATV
AsLOV2J α -JIP13.1sm(I539E)	LATTLERIEKNFVITDPLRPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATV

AsLOV2J α	RKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPMPRDQKGDVQYFIGVQLDGTEHVRDA
AsLOV2J α -JIP11	RKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPMPRDQKGDVQYFIGVQLDGTEHVRDA
AsLOV2J α -JIP11.dsm(C450A)	RKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPMPRDQKGDVQYFIGVQLDGTEHVRDA
AsLOV2J α -JIP11.1sm(I539E)	RKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPMPRDQKGDVQYFIGVQLDGTEHVRDA
AsLOV2J α F509R-JIP11.dsm(C450A)	RKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPMPRDQKGDVQYRIGVQLDGTEHVRDA
AsLOV2J α F509R-JIP11.1sm(I539E)	RKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPMPRDQKGDVQYRIGVQLDGTEHVRDA
AsLOV2J α -JIP10.dsm(C450A)	RKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPMPRDQKGDVQYFIGVQLDGTEHVRDA
AsLOV2J α -JIP10.1sm(I539E)	RKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPMPRDQKGDVQYFIGVQLDGTEHVRDA
AsLOV2J α -JIP12.dsm(C450A)	RKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPMPRDQKGDVQYFIGVQLDGTEHVRDA
AsLOV2J α -JIP12.1sm(I539E)	RKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPMPRDQKGDVQYFIGVQLDGTEHVRDA
AsLOV2J α -JIP13.dsm(C450A)	RKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPMPRDQKGDVQYFIGVQLDGTEHVRDA
AsLOV2J α -JIP13.1sm(I539E)	RKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPMPRDQKGDVQYFIGVQLDGTEHVRDA

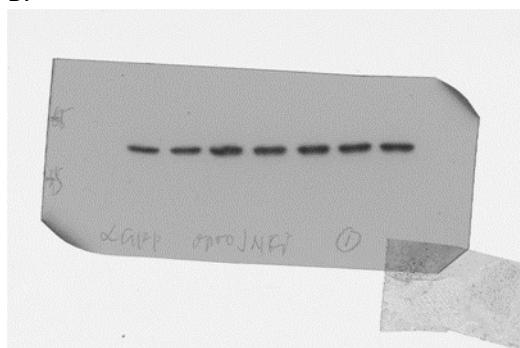
AsLOV2J α	AEREGVMLIKKTAENIDEAAKEL*-----
AsLOV2J α -JIP11	AEREGVMLIKKTAENIDEAAKELSRRPKRPTTLNLF**--
AsLOV2J α -JIP11.dsm(C450A)	AEREGVMLIKKTAENIDEAAKELSRRPKRPTTLNLF**--
AsLOV2J α -JIP11.1sm(I539E)	AEREGVMLIKKTAENIDEAAKELSRRPKRPTTLNLF**--
AsLOV2J α F509R-JIP11.dsm(C450A)	AEREGVMLIKKTAENIDEAAKELSRRPKRPTTLNLF**--
AsLOV2J α F509R-JIP11.1sm(I539E)	AEREGVMLIKKTAENIDEAAKELSRRPKRPTTLNLF**--
AsLOV2J α -JIP10.dsm(C450A)	AEREGVMLIKKTAENIDEAAKELSRRPKRPTTLNL*---
AsLOV2J α -JIP10.1sm(I539E)	AEREGVMLIKKTAENIDEAAKELSRRPKRPTTLNL*---
AsLOV2J α -JIP12.dsm(C450A)	AEREGVMLIKKTAENIDEAAKELSRRPKRPTTLNLFP*-
AsLOV2J α -JIP12.1sm(I539E)	AEREGVMLIKKTAENIDEAAKELSRRPKRPTTLNLFP*-
AsLOV2J α -JIP13.dsm(C450A)	AEREGVMLIKKTAENIDEAAKELSRRPKRPTTLNLFPQ*
AsLOV2J α -JIP13.1sm(I539E)	AEREGVMLIKKTAENIDEAAKELSRRPKRPTTLNLFPQ*
***** *****	

Supplementary Figure 2: Whole gel and film lengths for images in Fig. 2

A.



B.

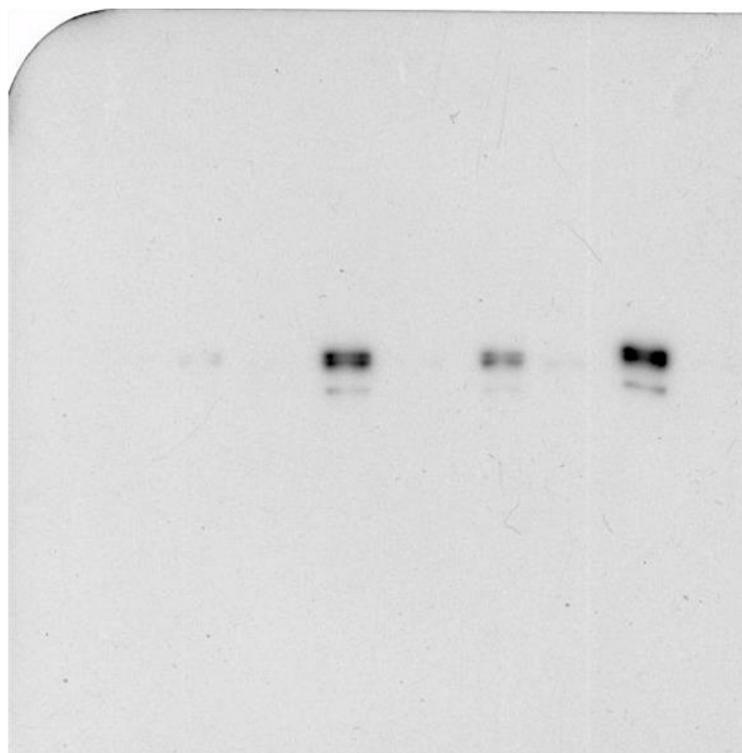


A. Whole length of gel shown corresponding to Fig. 2A

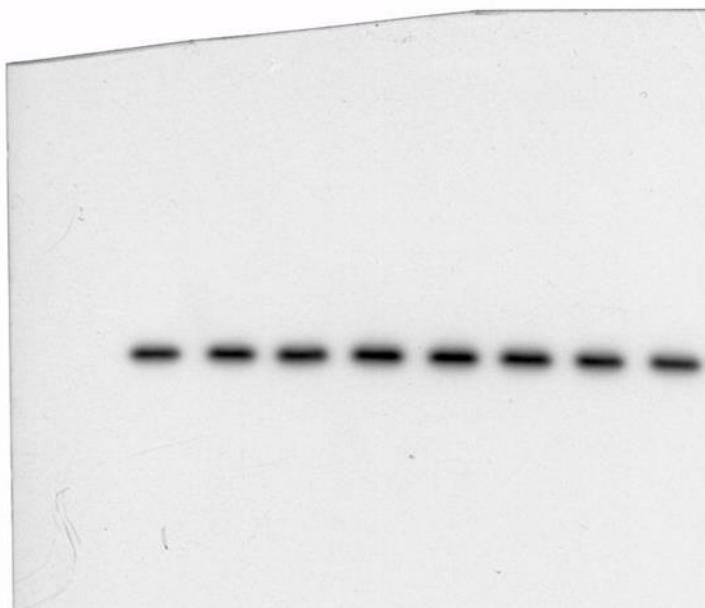
B. Whole film of blot corresponding to Fig. 2E

Supplementary Figure 3: Whole film lengths for images in Fig. 4

A



B.

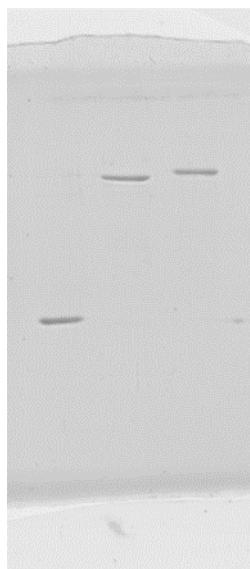


A. Film of whole length of blot shown in Fig. 5A (Phospho-Serine 73 c-Jun blot)

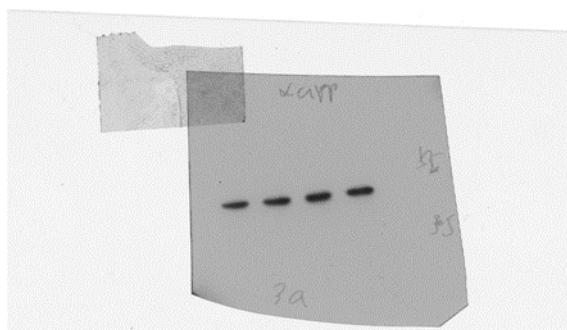
B. Film of whole length of blot shown in Fig. 5B (β -actin blot)

Supplementary Figure 4: Whole length of gels and films for Fig. 10

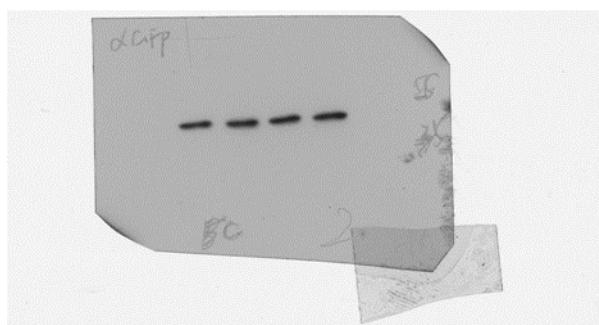
A.



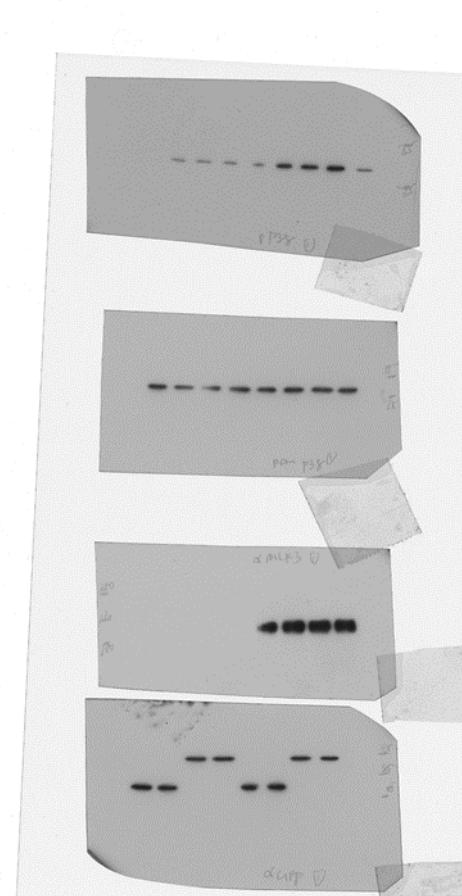
B.



C.



D.



- A. Whole length of gel corresponding to Fig. 10B. Lane 1 is GST, not shown in Fig. 10B.
- B. Whole film corresponding to Fig. 10H, OptoJNKi3-13F.lsm
- C. Whole film corresponding to Fig. 10H, OptoJNKi5-13F.dsm
- D. Whole films corresponding to Fig. 10l, from top: phospho-p38, pan-p38, MLK3, GFP.

Supplementary Figure 5: Amino acid sequences of Optop38i sequences used with Clustal Omega¹ alignment.

>Optop38i(1-13F).dsm
LATTEBLERIKNFVITDPRLDNPPIIFASDSLQLTEYSREEILGRNARFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFLQPMRDQKGDVQYFI
GVQLDGETHVRDAAEREGVMLIKKTAENIDEAAKELSRSKRKKDLRISMCF*

>Optop38i(1-13F).1.sm
LATTLERIEKFVNTIDPRLPDNPPIIFASDSFLQLTEYSREEI1GRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPQMRDQKGDVQYFIVGQVLDEGHTRDAAEERGVMLIKKTAENEDEAAKELSRSKRKKDRLRISMCF*

>Optop38i(1-13).dsm
LATTTERIEKVNFTIDPDRDLPNPIIFASDSLQLTEYSREEI1GRNRANFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPQMRDQKGDVQYFIVGVLGVDETHVRDAAEERGVMLIKKTAENIDEAAKELSRKSKRKKDLRISM*

>Optop38i(1-13).lsm
LATTECFRNLVTPDRLPNTIIFASDSLFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPMPRDQKGDVQYFIVGVLDGTEFHVRDAAFERGVMLIKKTAENEDRAAKELLSRKSKRKKDLDITSCM*

>Optop38i(1-10F).dsm
LATTECFRKFVNPDTPLDNPIIFASDSFLQLTEYSREEILGRNARFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPMPRDQKGDVQYFI
GVOLDGTEHVRDAAEFGVMITKKTAENTDRAAKELSRSKSKRKKDNLRTF*

>Optop38i (1-10F).1sm
LATTKEFICRNFVTPDRLPDNPPIIFASDSLFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPQMRDQKGDVQYFI
GVOI DGTGTEHVDR DAEFGVMT IKTKAENFEDRAAKEL SPKSKKKKDI PTF*

>Optop38i(2-13).dsm
LATTIERIEKNEFVITDPLRPDNPIIFASDFSFLQLTEYSREEILGRNARFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPQMRDQKGDVQYFI
GHOIOLDTNUWVHJFREBCGMIJKKTRANPDEPAKELSPCKEDKKDPRISCM*

>Optop38i(2-13).lsm
LATTILERIEKNFVITDPRPDNPIIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPMPRDQKGDVQYFI
GHOIPLHNUWVHJFEDREGUMLUKKTRPNEFDP&KELGPKCKKWDPRIGCM*

>Optop38i (2-13F).lsm
LATTLERIEKNFVITDPLRPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLQPMDRKGDVQYFI

>Optop38i(3-13).dsm
LATTLERIEKNFVITDPLPDNPPIIFASDSFLQLTEYSREEILGRNARFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPQPMRDQKGVDVQYFI

>Optop38i(3-13).lsm
LATTLERIEKNFVITDPLPDNPPIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPQPMRDQKGDVQYFI

>Optop38i(3-13F).dsm
LATTLERIEKNFVITDPLPNDPIIFASDSFLQLTEYSREEILGRNARFLQGPETDRATVRKIRDAIDNQTEVTVOLINYTKSGKKFWNLFLQPMRDKQGDVQYFI

>Optop38i(3-13F).lsm
LATTLERIEKNFVITDPLPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTQOLINYTKSGKKFWNLFHLOPMRDKQGDVQYFI

>Optop38i(4-13).dsm
LATTLERIEKNFVITDPLRPDNPIIFASDSFLQLTEYSREEILGRNARFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFLHQPMRDPQKGDVQYFI

>Optop38i (4-13).lsm
ALLTLERIEKNFVITPLRPDNPPIFASDSFLOLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNOTEVTVOLINYTKSGKKFWNLFHLOPMRDRDKGDVOYFI

>Opt38i (4-13E).dsm
LATTILERIEKNEFVITDPLRPNPIFASDSFLOLTEYSREEILGRNRARFLOGPETDRATVRKIRDAIDNOTEVTVOLINYTKSGKKFWNLFHLOPMRDKGDVOYFI

>Optop38i (4-13F).1sm
>LATTIETEKENFVITDPRNPTTIFASDSFLOLTEYSBEEITLGRNCRFLQGPETDRATVRKTRDAIDNQTEVTVOINYTKSGKKFWNI-EHLOPMRDOKGDVOYET

>optop38i(5-13).lsm
>optop38i(5-13).lsm
GVLQLDCTEHVRDAAERGVMLIKKTAENIDEAAKELSRKKDLRISCM*

>Optop38i(5-13F).dsm
LATTLERIEKNFVITDPRLPDNPIIFASDSFLQLTEYSREEILGRNARFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPQMRDQKGDVQYFI
GVQLDGTEHVRDAAEREGVMLIKKTAENIDEAAKELSRKKDLRISCMF*

>Optop38i(5-13F).lsm
LATTLERIEKNFVITDPRLPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPQMRDQKGDVQYFI
GVQLDGTEHVRDAAEREGVMLIKKTAENIDEAAKELSRKKDLRISCMF*

>Optop38i(5-13L).dsm
LATTLERIEKNFVITDPRLPDNPIIFASDSFLQLTEYSREEILGRNARFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPQMRDQKGDVQYFI
GVQLDGTEHVRDAAEREGVMLIKKTAENIDEAAKELSRKKDLRISCMF*

>Optop38i(5-13L).lsm
LATTLERIEKNFVITDPRLPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPQMRDQKGDVQYFI
GVQLDGTEHVRDAAEREGVMLIKKTAENIDEAAKELSRKKDLRISCMF*

>Optop38i(5-13V).dsm
LATTLERIEKNFVITDPRLPDNPIIFASDSFLQLTEYSREEILGRNARFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPQMRDQKGDVQYFI
GVQLDGTEHVRDAAEREGVMLIKKTAENIDEAAKELSRKKDLRISCMF*

>Optop38i(5-13V).lsm
LATTLERIEKNFVITDPRLPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPQMRDQKGDVQYFI
GVQLDGTEHVRDAAEREGVMLIKKTAENIDEAAKELSRKKDLRISCMF*

>Optop38i3(3-13F)
LATTLERIEKNFVITDPRLPDNPIIFASDSFLQLTEYSREEILGRNCRFLQGPETDRATVRKIRDAIDNQTEVTVQLINYTKSGKKFWNLFHLPQMRDQKGDVQYFI
GVQLDGTEHVRDAAEREGVMLIKKTAENIDEAAKELSRKRKKDLRISCMF*

CLUSTAL O(1.2.3) multiple sequence alignment

Supplementary Figure 6: List of plasmids used in this study (plasmids in bold presented here for the first time)

pGEX-6P-hJNK1 α 1
pGEX-6P-hJNK2 β 1
pGEX-6P-hJNK3 α 1
pGEX-6P1
pGEX-hp38 α tv2
pET28a-His-TAT-LOV2J α
pET28a-His-TAT-OptoJNKi
pmCherry-hMKK3b-EE
pEBG-r Δ MEKK1(1174-1493)
pEGFP-hMLK3
pYpet-C1
pLuc-C1
pLuc-mERK2
pLuc-hp38 α tv2
pLuc-hJNK1 α 1
pLuc-hJNK1 β 1
pLuc-hJNK2 α 2
pLuc-hJNK3 α 1
pLuc-hMKK3b
pCGN-GAL4-Mef2A
pcDNA3-GAL4-c-Jun(5-105)
pRL-CMV
pGL3-G5E4 Δ 38
pCMV
pH2B-Venus
pH2B-mCherry
pLifeact-Ypet
pmKeima620-NES-JIP1-277
pmKeima620-3xNLS-JIP1-277
pLuc-JIP1-277
pLuc-AsLOV2J α -JIP10.lsm
pLuc-AsLOV2J α -JIP10.dsm
pLuc-AsLOV2J α -JIP11.lsm (OptoJNKi.lsm)
pLuc-AsLOV2J α -JIP11.dsm (OptoJNKi.dsm)
pLuc-AsLOV2J α (F509R)-JIP11.lsm (OptoJNKi(F509R).lsm)
pLuc-AsLOV2J α (F509R)-JIP11.dsm (OptoJNKi(F509R).dsm)
pYpet-AsLOV2J α -JIP11.dsm (Ypet-OptoJNKi.lsm)
pYpet-AsLOV2J α -JIP11.lsm (Ypet-OptoJNKi.dsm)
pLuc-OptoJNKi
pmCherry-NLS-OptoJNKi
pmCherry-NLS-OptoJNKi.lsm
pmCherry-NES-OptoJNKi
pH2B-pmCherry-OptoJNKi
pmCherry-NLS-OptoJNKi.dsm
pLuc-AsLOV2J α -JIP12.lsm
pLuc-AsLOV2J α -JIP12.dsm
pLuc-AsLOV2J α -JIP13.lsm
pLuc-AsLOV2J α -JIP13.dsm
pLuc-Optop38i.1-13F.lsm

pLuc-Optop38i.1-13F.dsm
pLuc-Optop38i.1-10F.lsm
pLuc-Optop38i.1-10F.dsm
pLuc-Optop38i.1-13.lsm
pLuc-Optop38i.1-13.dsm
pLuc-Optop38i.2-13.lsm
pLuc-Optop38i.2-13.dsm
pLuc-Optop38i.2-13F.lsm
pLuc-Optop38i.2-13F.dsm
pLuc-Optop38i.3-13.lsm
pLuc-Optop38i.3-13.dsm
pLuc-Optop38i.3-13F.lsm
pLuc-Optop38i.3-13F.dsm
pYpet-Optop38i.3-13F.lsm
pLuc-Optop38i3 (LOV2J α .3-13F)
pLuc-Optop38i.4-13.lsm
pLuc-Optop38i.4-13.dsm
pLuc-Optop38i.4-13F.lsm
pLuc-Optop38i.4-13F.dsm
pLuc-Optop38i.5-13.lsm
pLuc-Optop38i.5-13.dsm
pLuc-Optop38i.5-13F.lsm
pLuc-Optop38i.5-13F.dsm
pLuc-Optop38i.5-13L.lsm
pLuc-Optop38i.5-13L.dsm
pLuc-Optop38i.5-13V.lsm
pLuc-Optop38i.5-13V.dsm
pYpet-Optop38i.5-13F.dsm

Supplementary References

1. Sievers F, Wilm A, Dineen DG, Gibson TJ, Karplus K, Li W, Lopez R, McWilliam H, Remmert M, Söding J, Thompson JD, Higgins D (2011) Fast, scalable generation of high-quality protein multiple sequence alignments using Clustal Omega Molecular Systems Biology (2011) 7, 539.