Bielli_Supplemental Figure 5

A

<table>
<thead>
<tr>
<th>Sample</th>
<th>Control</th>
<th>Myc-SAM68</th>
<th>Myc-SAM68+Fyn</th>
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<tr>
<td>Flag</td>
<td>Flag-FBI-1</td>
<td>IgG</td>
<td>α-GFP</td>
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<tr>
<td>nucl. extr.</td>
<td>nucl. extr.</td>
<td>I.P.</td>
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</tbody>
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GFP-SAM68
Myc-SAM68
Flag-FBI-1
hnRNP A1

B

Fyn+
Myc-SAM68
GST
GST-FBI-1 CT
GST-FBI-1 CT
nucl. extr.
GST-pulldown

PY20
Myc-SAM68

C

exon 2
distal intron 2

55.5Kbp
exon 2
distal intron 2

100bp

D

Flag-FBI-1
SAM68

BCL-X enrichment vs IgG

**
Supplemental Figure 5. FBI-1 does not affect SAM68 homodimerization and protein-protein interactions. A) Western blot analysis of the co-IP between GFP-SAM68 and Myc-SAM68 in presence or not of Flag-FBI-1. Nuclear extracts from HEK293T cells expressing GFP-SAM68 and Myc-SAM68 with or without Flag-FBI were immunoprecipitated using anti-GFP or rabbit IgGs as control. B) Western blot analysis of Myc-SAM68 and tyrosine phosphorylation (PY20) in pull-down assay performed using the GST-FBI-1<sub>CT</sub> fusion protein and cell extract of HEK293T expressing Myc-SAM68 in presence or not of FYN. C) CLIP analysis of endogenous SAM68. Associated $BCL-X$ RNA was quantified by qRT-PCR using primers indicated in the upper scheme. Data represent the fold enrichment relative to the IgG sample. D) Pull-down assay of endogenous SAM68 using poly-U sepharose, or sepharose (Seph.) beads as control, and nuclear extract of HEK293T cells transfected with increasing amount of Flag-FBI-1. Bound proteins were separated on SDS-PAGE and analysed by Western-blot using the anti-Flag and anti-SAM68 antibodies