

**Supplementary information S4 (table) | Designations of molecules in figure panel a, BOX 1**

<b>Designation</b>	<b>Name</b>
R	EGFR monomer
R <sub>a</sub>	EGFR-EGF monomer
R <sub>2</sub>	(R <sub>a</sub> ) <sub>2</sub> , EGFR-EGF dimer
RP	Tyrosine phosphorylated EGFR-EGF dimer
GAP	RasGAP, Ras GTPase activating protein
GAPP	Tyrosine phosphorylated RasGAP, RasGAPP
R-GAP	Complex of tyrosine phosphorylated EGFR and RasGAP, RP-RasGAP
R-GAPP	Complex of tyrosine phosphorylated EGFR and tyrosine phosphorylated RasGAP, RP-RasGAPP
R-PL	Complex of tyrosine phosphorylated EGFR and PLC $\gamma$ , RP-PLC $\gamma$
R-PLP	RP-PLC $\gamma$ P
R-G	Complex of tyrosine phosphorylated EGFR and Grb2, RP-Grb2
R-G-S	Complex of tyrosine phosphorylated EGFR and Grb2-SOS, RP-Grb2-SOS
G-S	Complex of Grb2 and SOS, Grb2-SOS
R-Sh	Complex of tyrosine phosphorylated EGFR and Shc, RP-Shc
R-ShP	RP-ShcP
ShP	Tyrosine phosphorylated Shc, ShcP
R-Sh-G	RP-ShcP-Grb2
Sh-G	ShcP-Grb2
R-Sh-G-S	RP-ShcP-Grb2-SOS
Sh-G-S	ShcP-Grb2-SOS
RasD	RasGDP
RasT	RasGTP
R-G-S-rD	RP-Grb2-SOS-RasGDP
R-G-S-r	RP-Grb2-SOS-Ras
R-G-S-rT	RP-Grb2-SOS-RasGTP
R-GP	Complexes of tyrosine phosphorylated EGFR with RasGAP or tyrosine phosphorylated RasGAP, R-GAP and R-GAPP
R-GP-rT	RP-GP-RasGTP
R-Sh-G-S-rD	RP-ShcP-Grb2-SOS-RasGDP
R-Sh-G-S-r	RP-ShcP-Grb2-SOS-Ras
R-Sh-G-S-rT	RP-ShcP-Grb2-SOS-RasGTP