

**S1 Table: Detailed phenotype for 59 selected Y2H clones (17 NIP candidates) identified in the lung library:** Growing yeast colonies were tested and scored by 3 phenotypic assays (His+3-AT, Ura+,  $\beta$ -Gal).

Gene ID	HIS	URA	LACZ
<b>RICK</b>	3+	2+	2+
	3+	3+	3+
	3+	1+	2+
	3+	NEG	2+
<b>DOCK7</b>	3+	NEG	3+
	3+	2+	2+
	3+	NEG	3+
<b>DCTN1</b>	3+	1+/-	3+
	3+	1+	3+
<b>GOLGB1</b>	2+	3+	3+
	3+	3+	3+
<b>PRR16</b>	2+	2+	3+
<b>ANKHD1</b>	3+	1+	3+
<b>TRIM41</b>	2+	NEG	2+
	2+	1+	1+
	3+	1+/-	2+
	2+	2+	NEG
<b>CHMP5</b>	2+	1+/-	2+
	2+	1+	1+
	3+	NEG	2+
	2+	2+	2+
<b>SDCCAG3</b>	2+	2+	NEG
	3+	2+	1+
	2+	2+	NEG
<b>C10ORF67/ C10ORF115</b>	3+	3+	3+
	3+	3+	3+
	3+	3+	3+
	3+	3+	3+
	3+	3+	3+
	3+	3+	3+
<b>VIM</b>	3+	2+	3+
<b>IKBIP</b>	3+	2+	3+
	3+	1+	2+
	3+	2+	3+
	3+	3+	3+
	3+	2+	3+
<b>GOLGA6L5</b>	3+	3+	3+
	3+	3+	3+
	3+	3+	3+
	3+	3+	3+
	3+	3+	3+
	3+	2+	3+
	3+	2+	3+
	3+	3+	3+
	3+	3+	3+
	3+	3+	3+
<b>KRT15</b>	3+	1+	3+
	3+	1+	2+
	3+	1+	2+
	3+	1+	2+
<b>PPP1R12C</b>	2+	2+	3+
	2+	2+	3+
	3+	3+	3+
	2+	2+	3+
<b>LDOC1</b>	3+	NEG	3+
	3+	NEG	3+
	3+	NEG	3+
<b>PPP2R3B</b>	3+	1+	3+