

Important PINK1 residues

▼ K219 Catalytic lysine

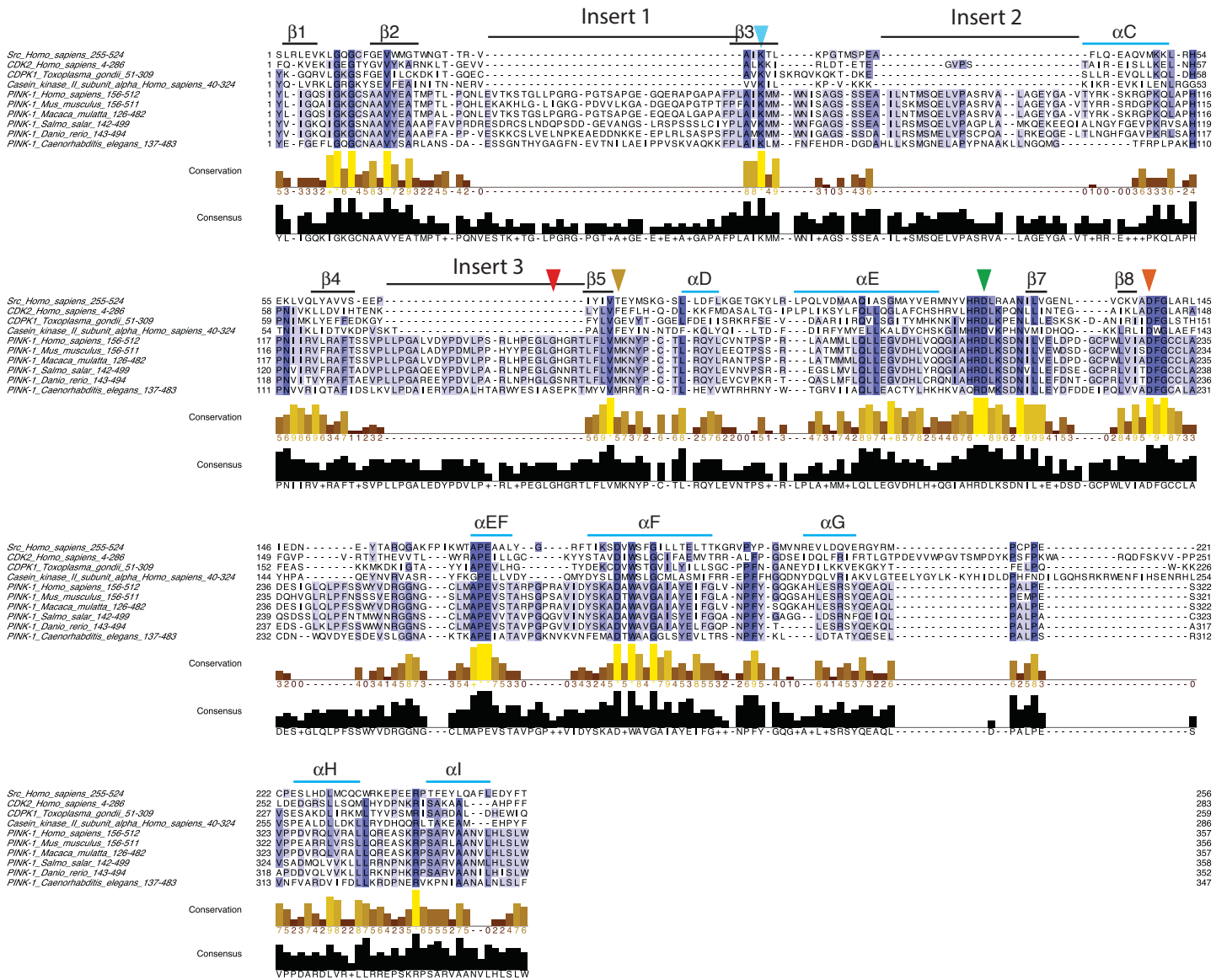
▼ D362 HRD motif

▼ M318 gatekeeper residue

▼ D384 DFG motif

▼ G309D PD mutation

A



B

kinase	Accept N ⁶ modified ATP analog?			Reference
	wt-kinase	as-kinase	Gatekeeper (Suppressive)	
PINK1	Yes	NA	NA	NA
Fyn	No	Yes	T339G	Liu, 1998
vSrc	No	Yes	I338G	Shah, 1997
PKCδ	No	Yes	M425A	Allen, 2007
CDC5	No	Yes	L158G	Allen, 2007
JNK1	No	Yes	M108G(L168A)	Allen, 2007
ERK2	No	Yes	Q103G	Allen, 2007
PKA	No	Yes	M120G	Koller, 2007
PKD1	No	Yes	L159G	Tamgüney, 2008
CDK1	No	Yes	F80G	Blethrow, 2008
AMPKα2	No	Yes	M93G	Banko, 2011
AuroraB	No	Yes	L145G(H250Y)	Hengevold, 2012
NDR1/2	No	Yes	M166A(M152L,S229A)	Ultanir, 2012
αPKC	No	Yes	I613A	Cibrián Uhalte, 2012
GSK3β	No	Yes	L132A	Kaasik, 2013
LKB1	No	Yes	unpub	unpub
AKT	No	Yes	unpub	unpub
CLK1	No	Yes	unpub	unpub

Figure S1: Related to Figure 1