

i

hydrophobic groove of ERKs

ERK1	¹²⁷ ETDLYKLLK	SQQLSNDHICYFLY	¹⁴⁹	175	I	NTTCD	¹⁸⁰
ERK2	¹⁰⁷ ETDLYKLLK	TQHLSNDHICYFLY	¹²⁹	155	L	NTTCD	¹⁶⁰

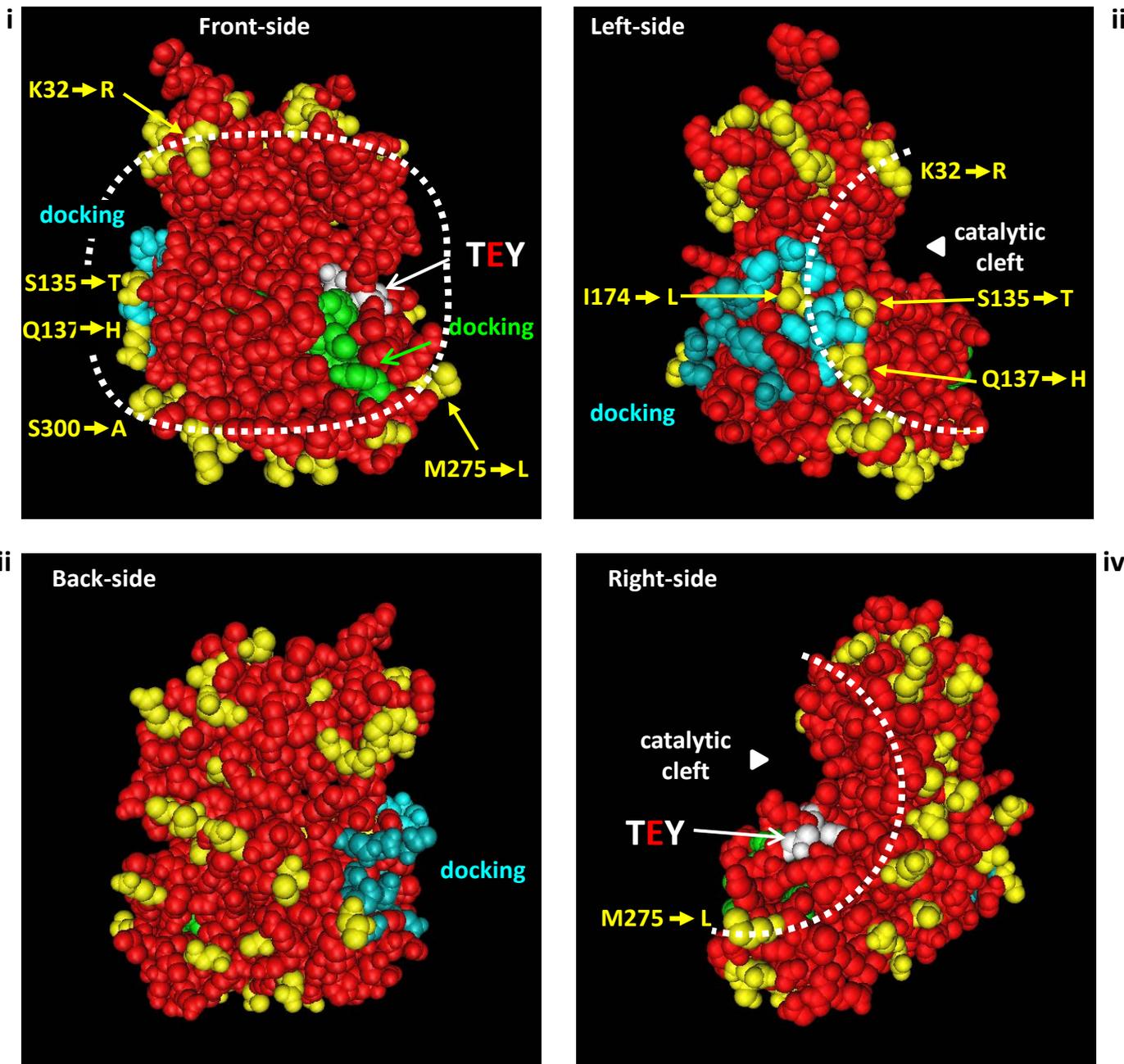
acid patch of ERKs

ERK1	⁹⁷ RHENI	¹⁰¹	¹⁴¹ NDHICYFLYQILR	¹⁵³	¹⁷⁷ TTCD	¹⁸⁰	³³⁵ YDPTDE	³⁴⁰
ERK2	⁷⁷ RHENI	⁸¹	¹²¹ NDHICYFLYQILR	¹³³	¹⁵⁷ TTCD	¹⁶⁰	³¹⁵ YDPSDE	³²⁰

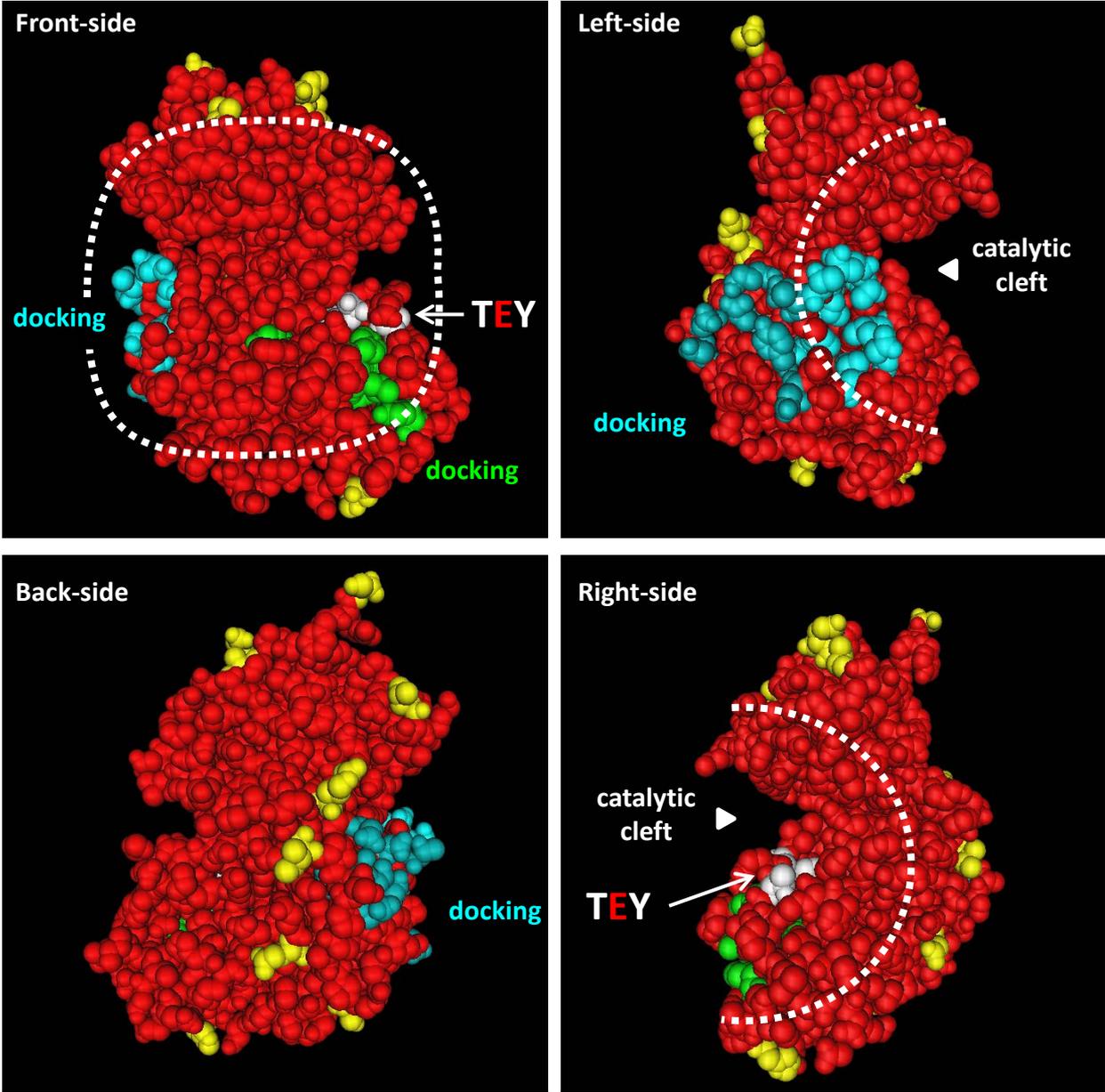
ii

ERK1	²¹³ YRAPEI	MLNSK	²²¹	²⁴⁸ GKH	YLDQLNHI	²⁵⁸	²⁷⁸ ARNYL	QS	²⁸⁴
ERK2	¹⁹³ YRAPEI	MLNSK	²⁰¹	²²⁸ GKH	YLDQLNHI	²³⁸	²⁵⁸ ARNYL	LS	²⁶⁴

Differences between human-ERK1 and human-ERK2



Differences between rat-ERK2 and anolis-ERK2



Differences between human-ERK1 and anolis-ERK1

