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KDM5A (56) DWQPPFACEVKSFRFTPR---FGSGFPVKDGRRKILPEE (435)

KDM5B (69) DWQPPFACDVDKLHFTPR---FGSGFPVRDGKIKLSPEE (451)

KDM5C (51) DWQPPFAVEVDNFRFTPR---FGSGFPVSDSKRHLTPEE (466)

KDM5D (51) DWQPPFAVEVDNFRFTPR---FGSGFPVSNSKQNLSPEE (456)

В			
	Enzyme	(<i>R</i>)-2HG Ki (μM)	(S)-2HG Ki (μM)
	KDM5A	203 ± 43	81 ± 4
	KDM5A F68L	144 ± 37	31 ± 13
	KDM5A R429I	161 ± 47	68 ± 33
	KDM5B	655 ± 153	303 ± 51

Supplementary Figure S5: KDM5A mutants. (**A**) Sequence alignment of KDM5 residues predicted to be involved in 2OG binding [RefSeq accession numbers: NM_001042603.3 (KDM5A); NM_006618.5 (KDM5B); NM_004187.5 (KDM5C); NM_004653.5 (KDM5D)]. (**B**) Ki values for (*R*)-2HG and (*S*)-2HG of the indicted KDM5 variants. Results shown are the mean ± standard deviation of two independent assays.