The Role of Nickel and Brønsted Sites on Ethylene Oligomerization with Ni-H-Beta Catalysts

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Table S1: Adjusted constants for the models presented in Table 1 (main manuscript).

Model description	Mechanism[1]	Parameters	
		198K	258K
Dissociation over one site Simple adsorption over one site	A B	$K=0.50\ kPa^{-1}$	$K=0.19\ kPa^{-1}$
Simple adsorption over two sites	-	$K=0.74\ kPa^{-1}$	$K=0.20\ kPa^{-1}$
Dissociation over two sites	-	$K=0.21\ kPa^{-1}$	$K=0.01\ kPa^{-1}$
Association over one site	C	$K=0.46\ kPa^{-2}$	$K=0.58\ kPa^{-2}$
Freundlich	-	$c=0.31\ kPa^{-1/a}$ $a=0.08$	$c=2.60\ kPa^{-1/a}$ $a=2.54$

[1] Mechanisms depicted in Figure 1.