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Supporting Material

Effectiveness of Hair Bundle Motility as the Cochlear Amplifier

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Supplementary Material

The range of the transition rates examined for optimizing Φ

Parameter	Range
k_1/ω	$10^{-5} - 10^{11}$
k_2/ω	$10^{-5} - 10^5$
k_3/ω	$10^{-5} - 10^{11}$
k_4/ω	$10^{-5} - 10^5$
r_3	0.0005 — 100
r_4	0.0005 — 100

Table : The parameter r_2 is determined from these parameters and the ratio $[\text{Ca}]_{out}/[\text{Ca}]_{in}$, which is ~ 100 for the mammalian ear and ~ 1000 for the avian ear (see text).