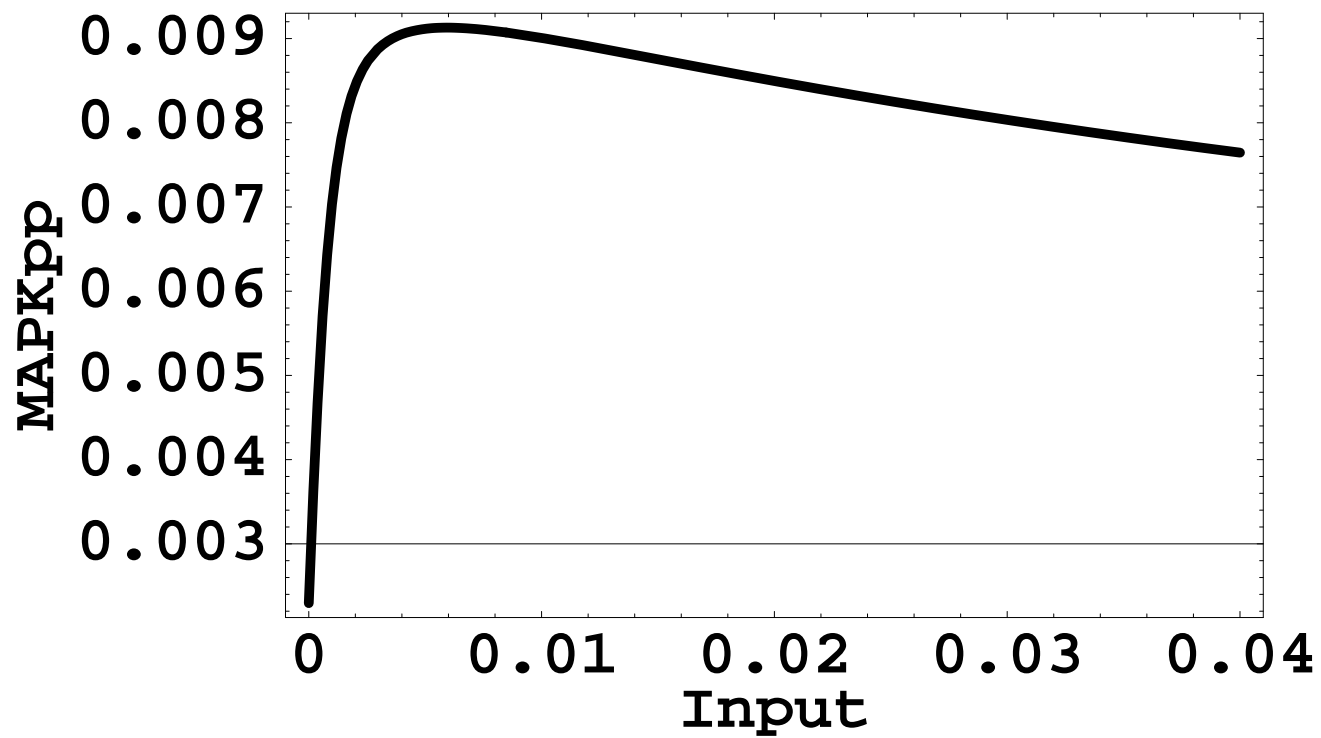
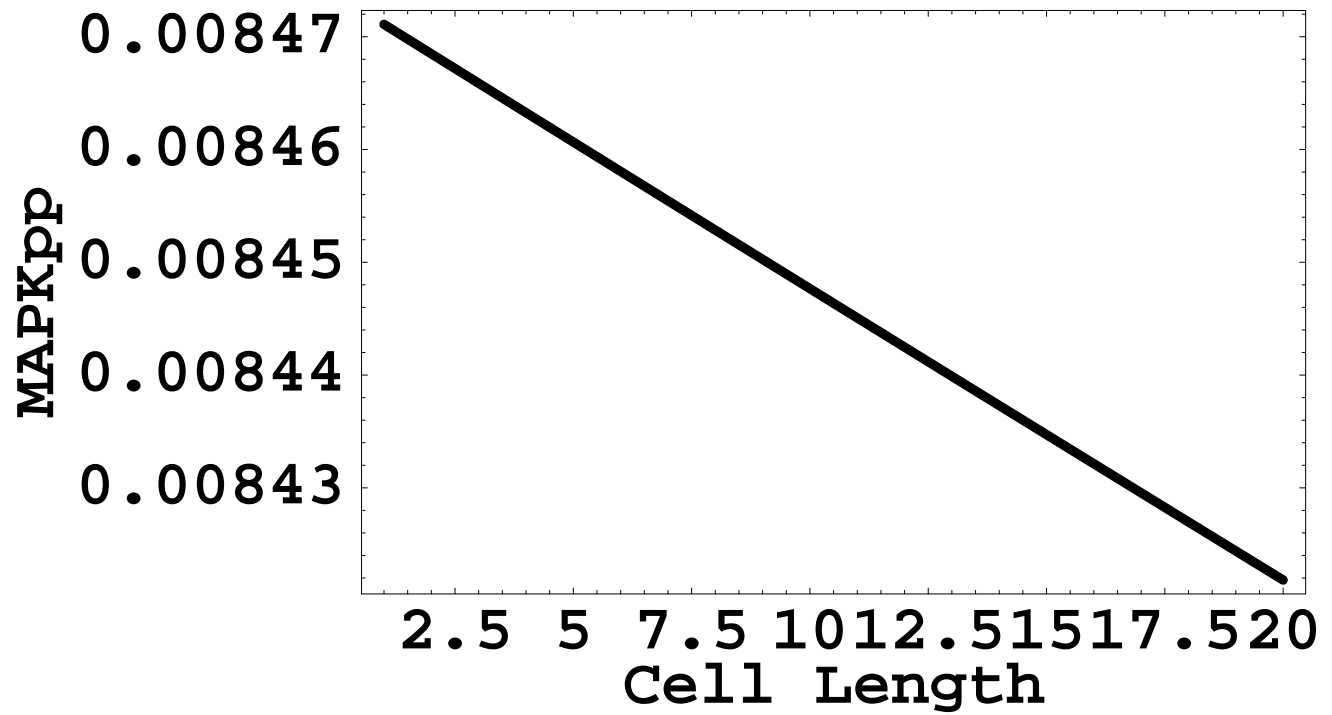


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**MAPKpp vs Input, no diffusion**

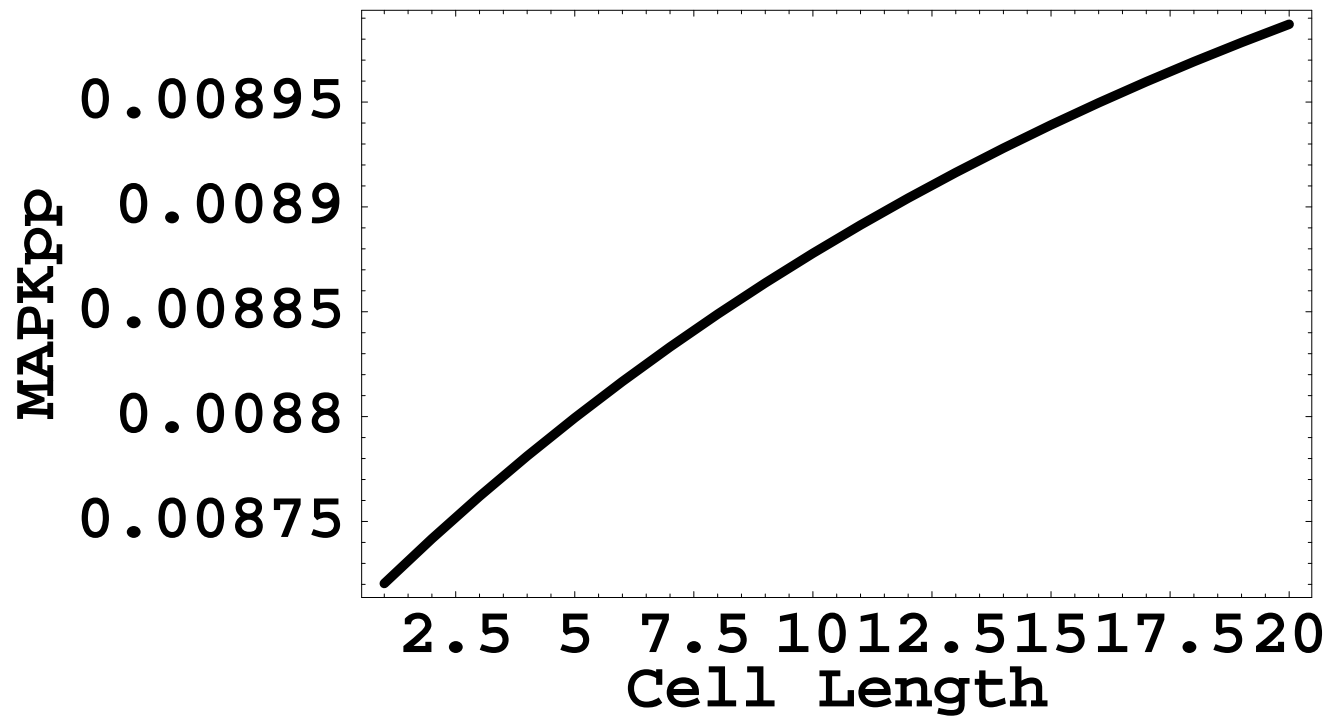
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MAPKpp vs Cell length, no diffusion, High dose (input =  $0.02 \pm 0.001$ )



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MAPKpp vs Cell Length, no diffusion, low dose (input =  $0.003 \pm 0.001$ )



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**MAPKpp (Front – Back) vs Input in gradient**