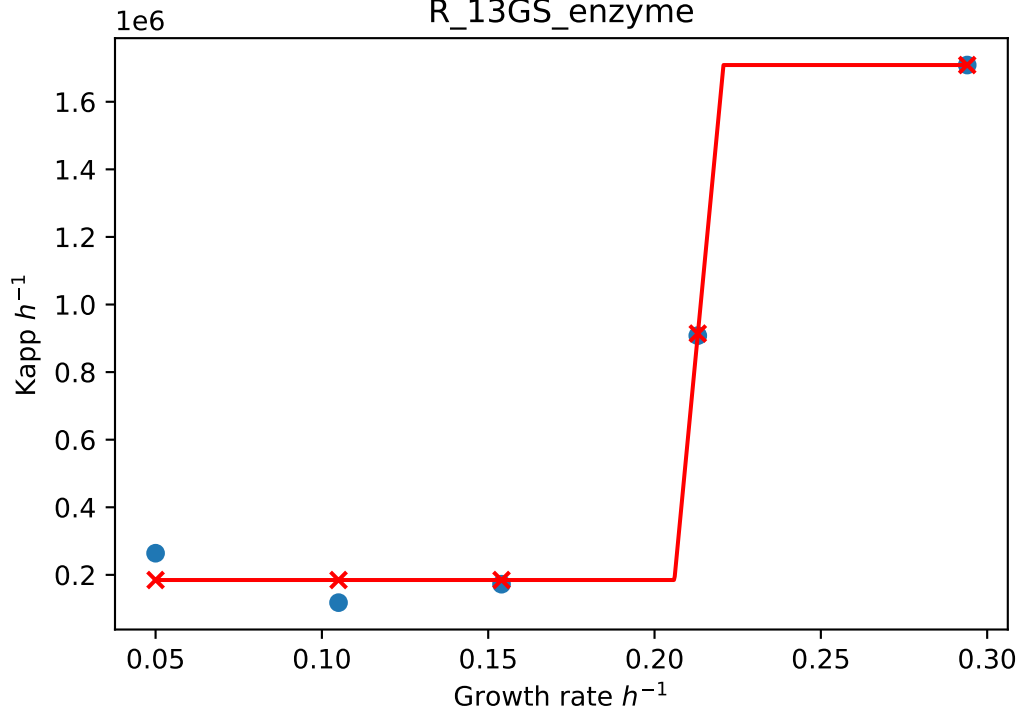
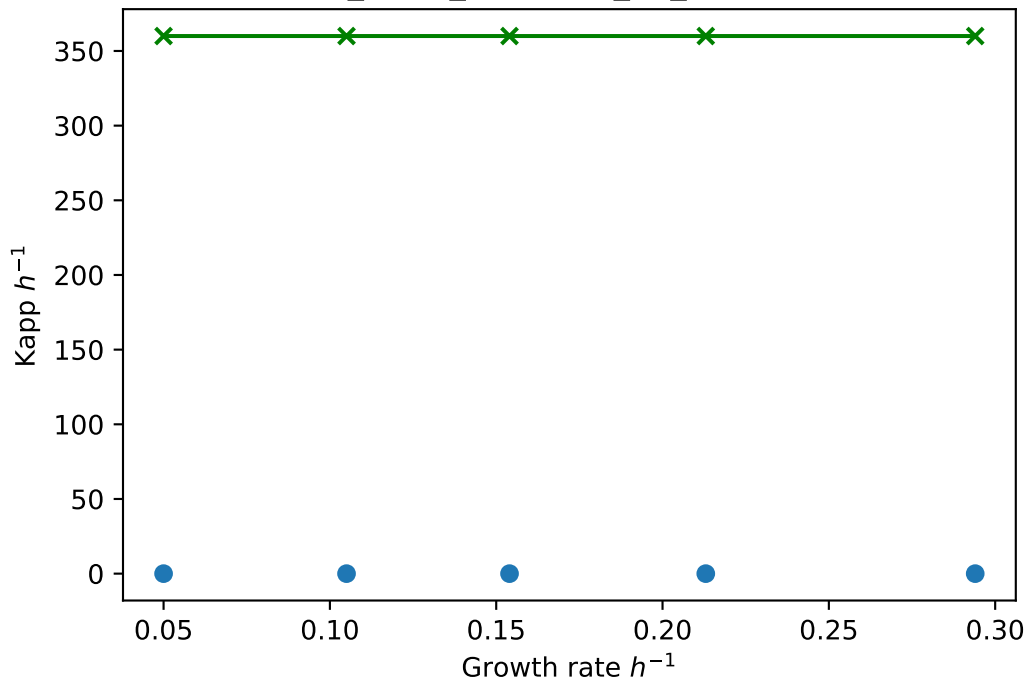


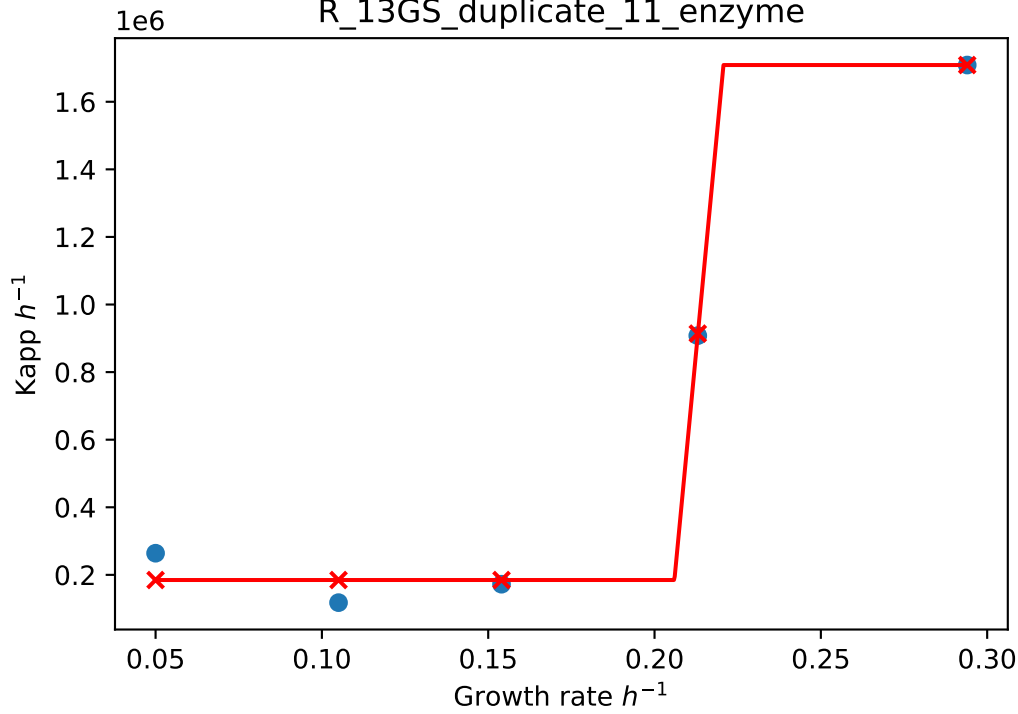
R_13GS_enzyme



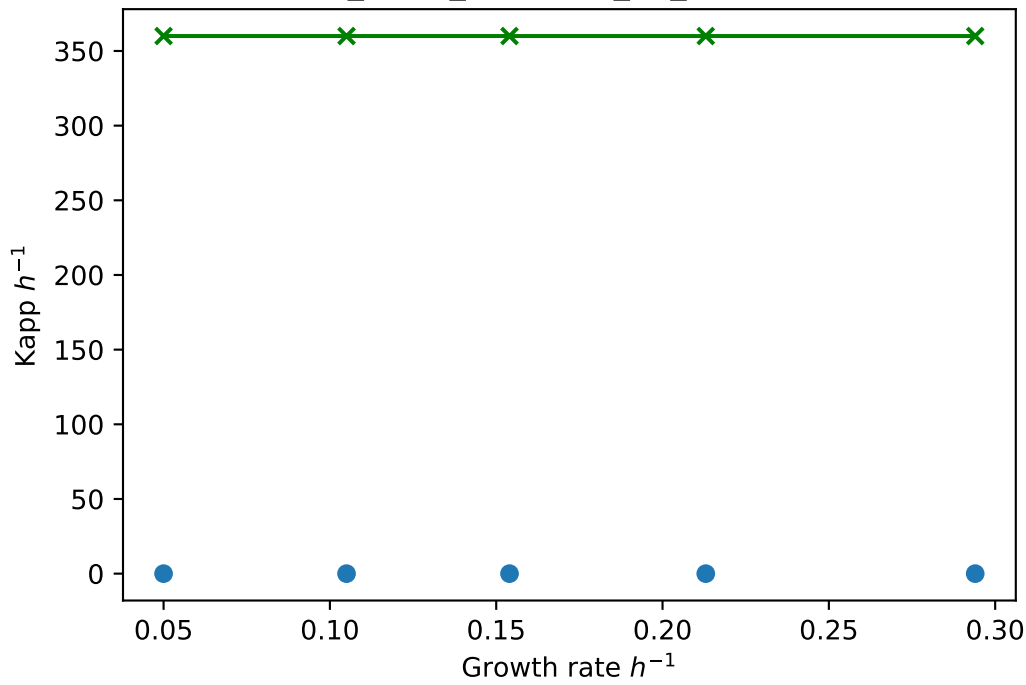
R_13GS_duplicate_10_enzyme



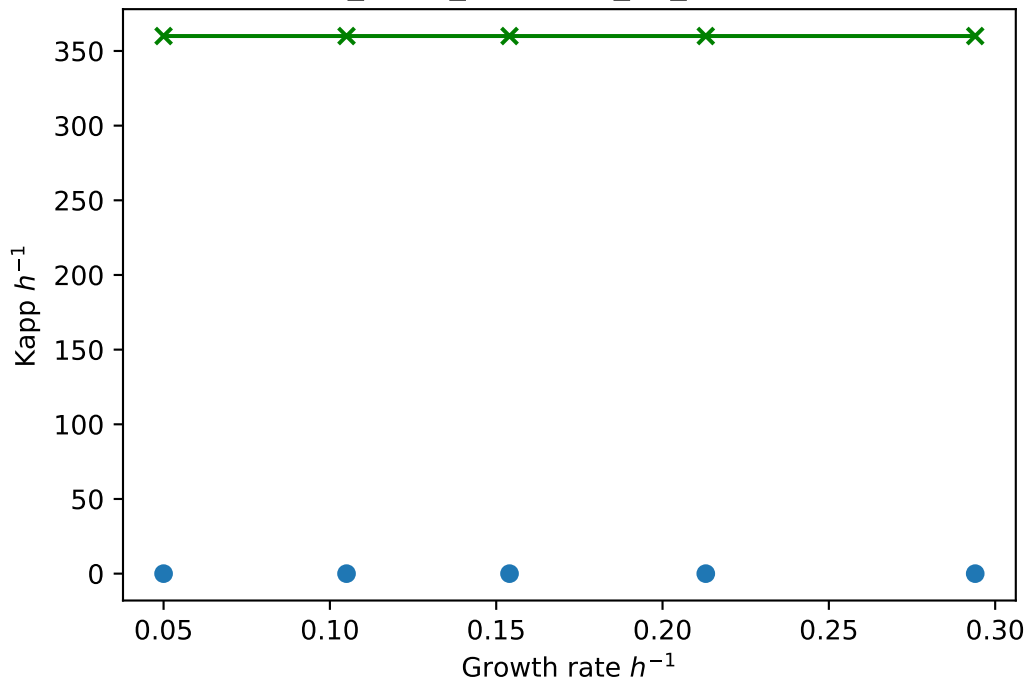
R_13GS_duplicate_11_enzyme



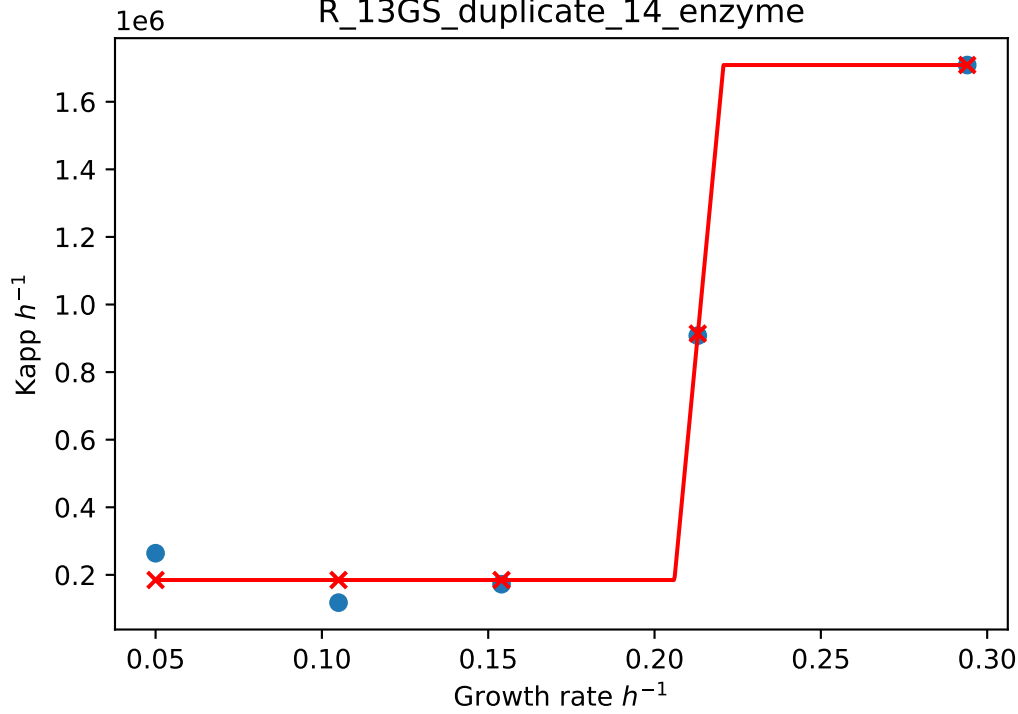
R_13GS_duplicate_12_enzyme



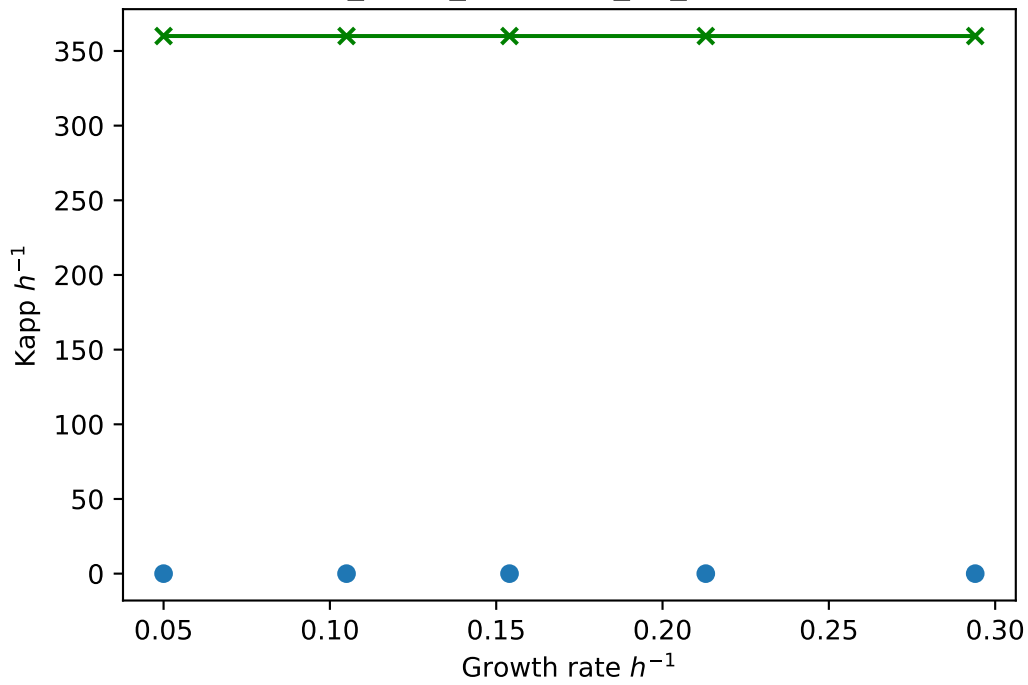
R_13GS_duplicate_13_enzyme

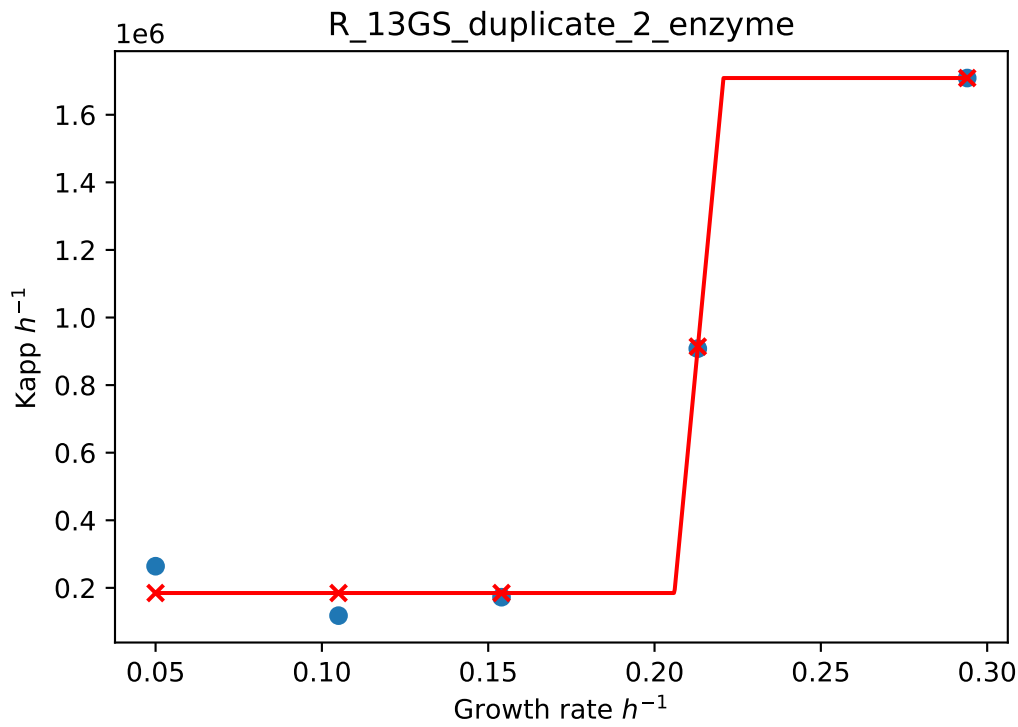


R_13GS_duplicate_14_enzyme

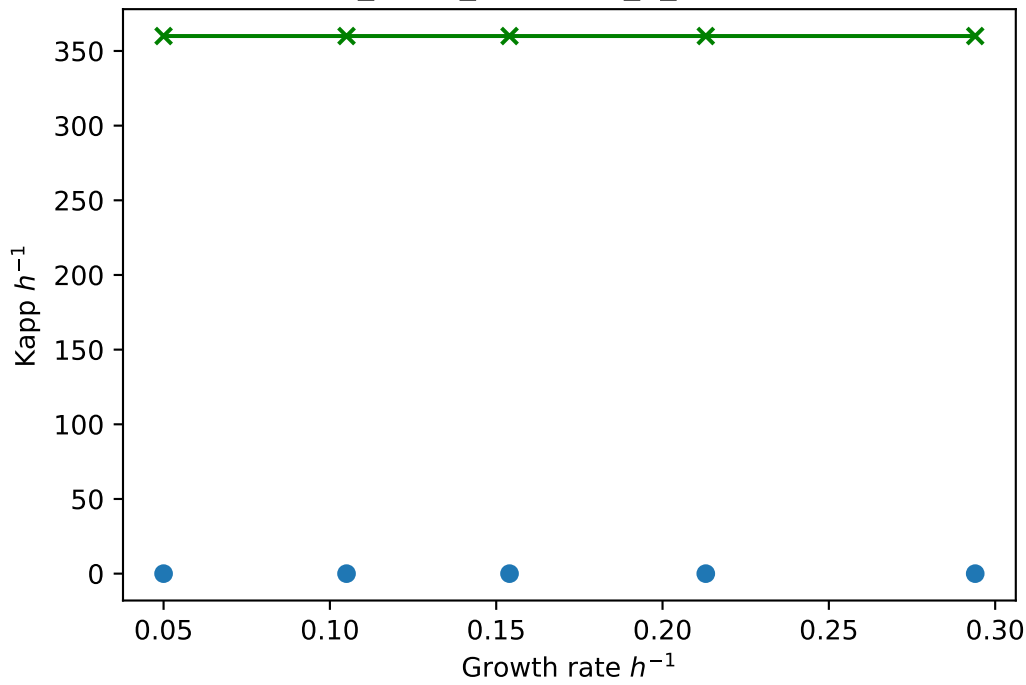


R_13GS_duplicate_15_enzyme

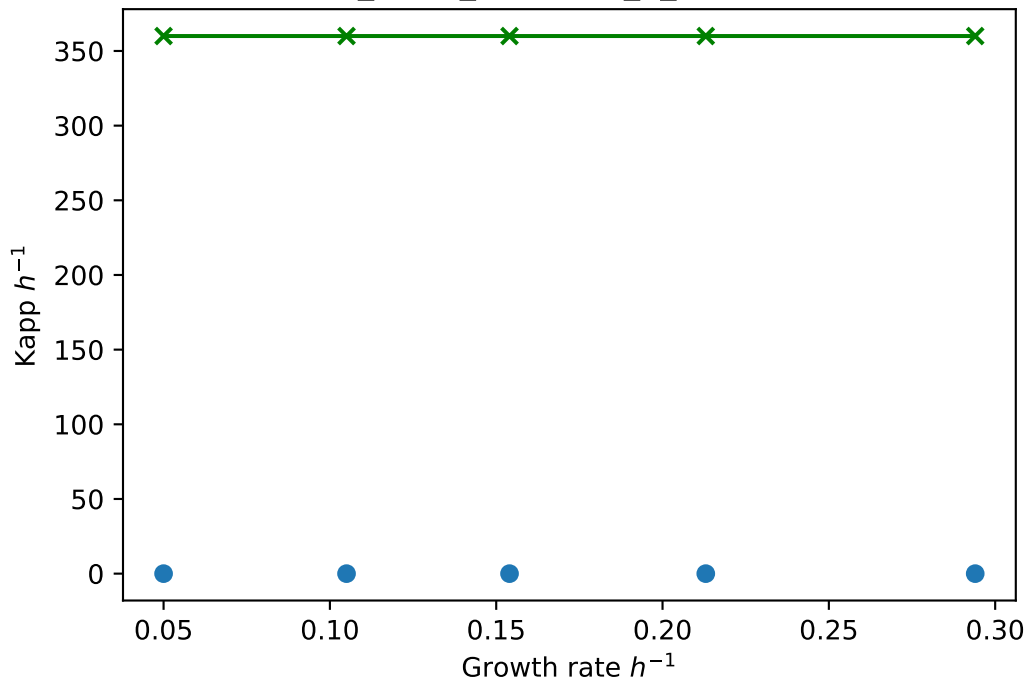


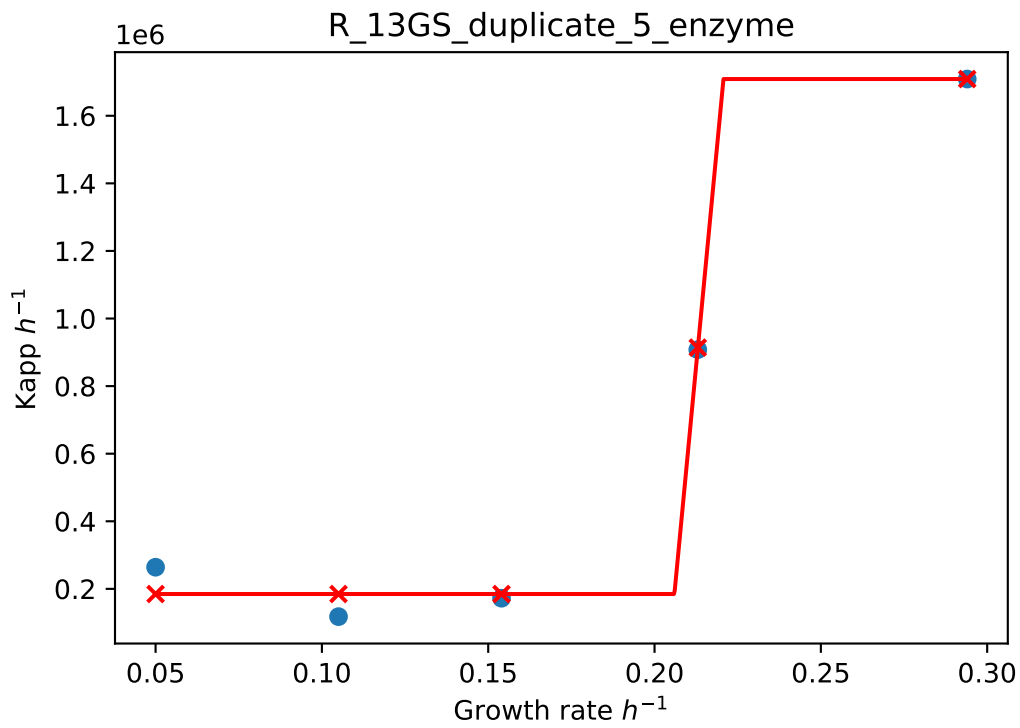


R_13GS_duplicate_3_enzyme

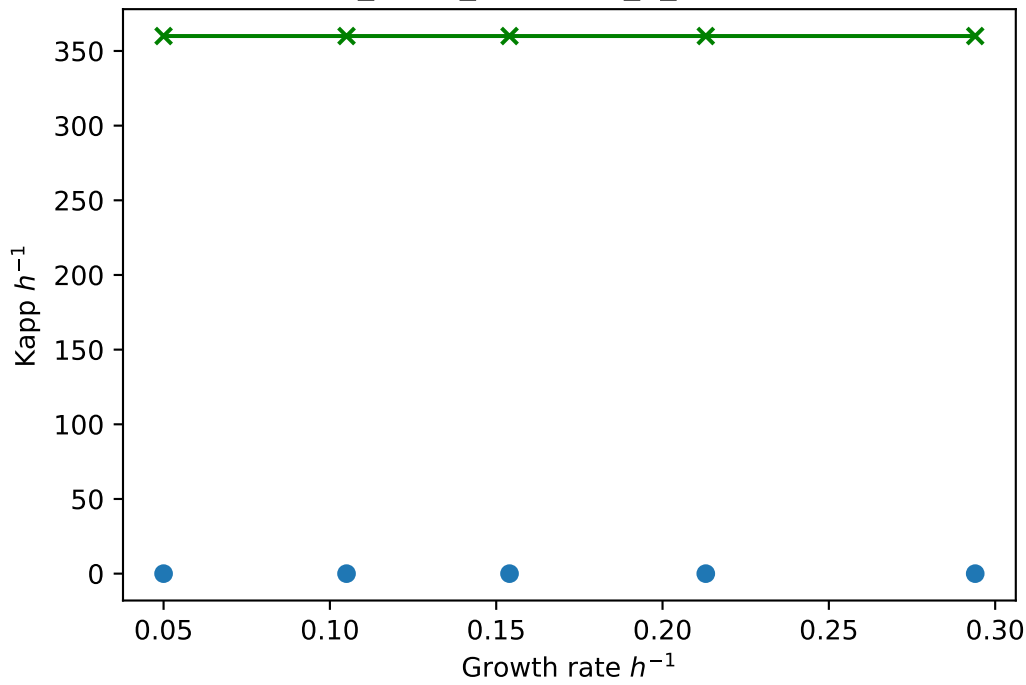


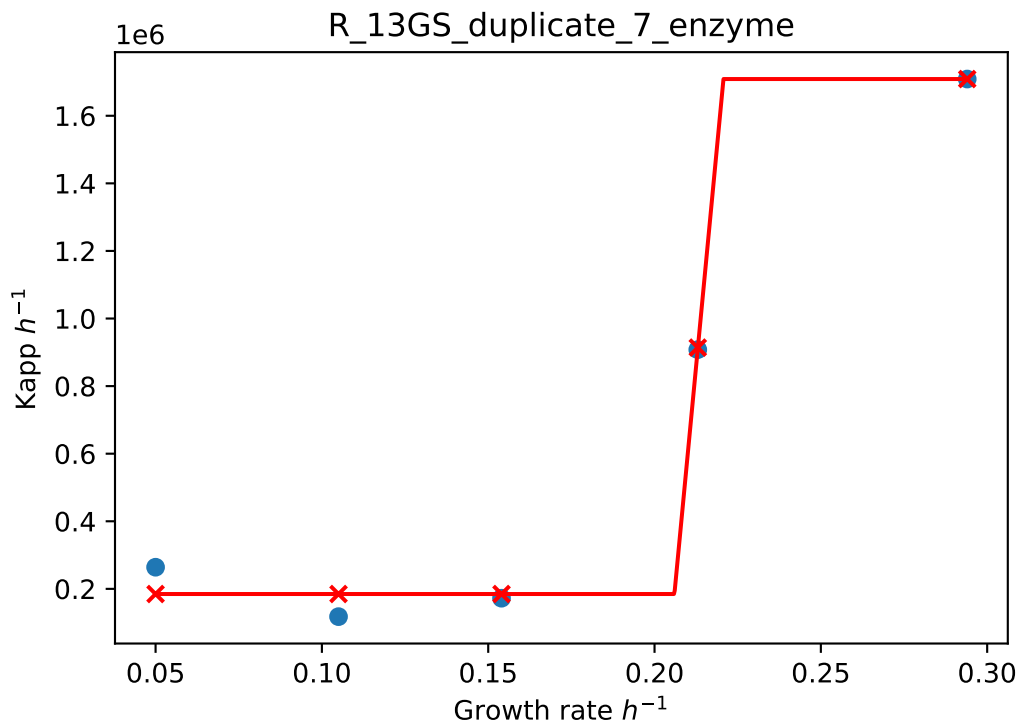
R_13GS_duplicate_4_enzyme



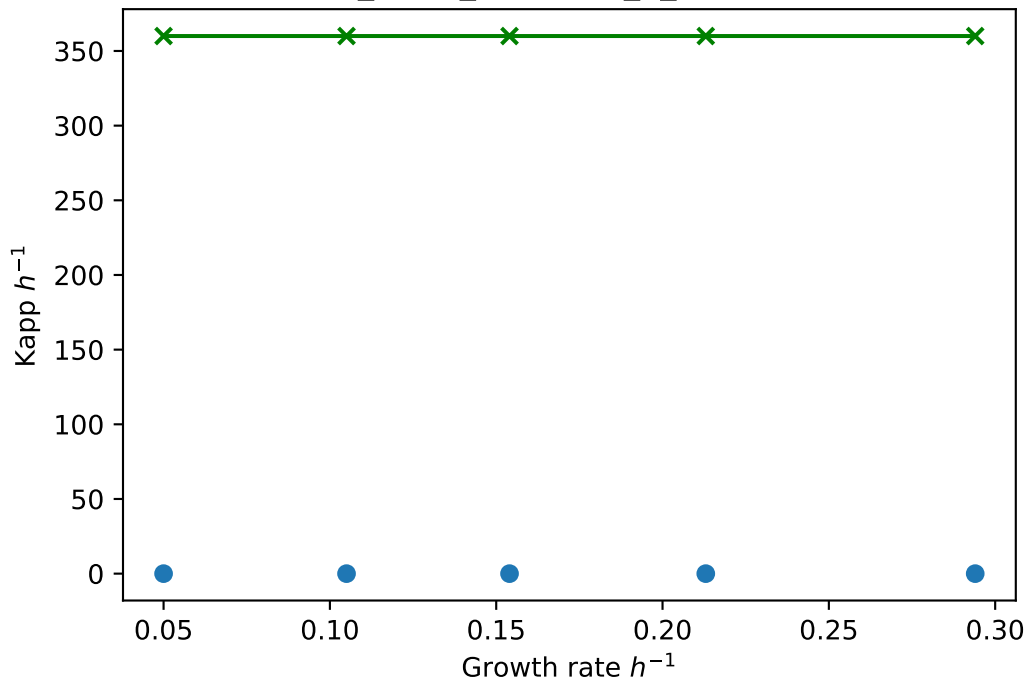


R_13GS_duplicate_6_enzyme

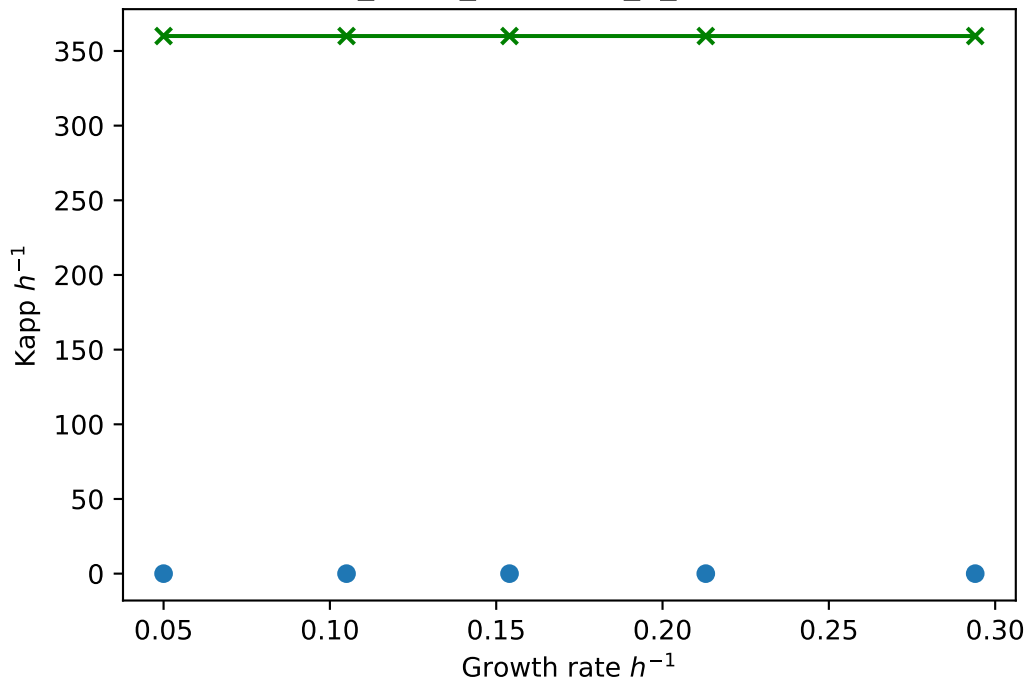


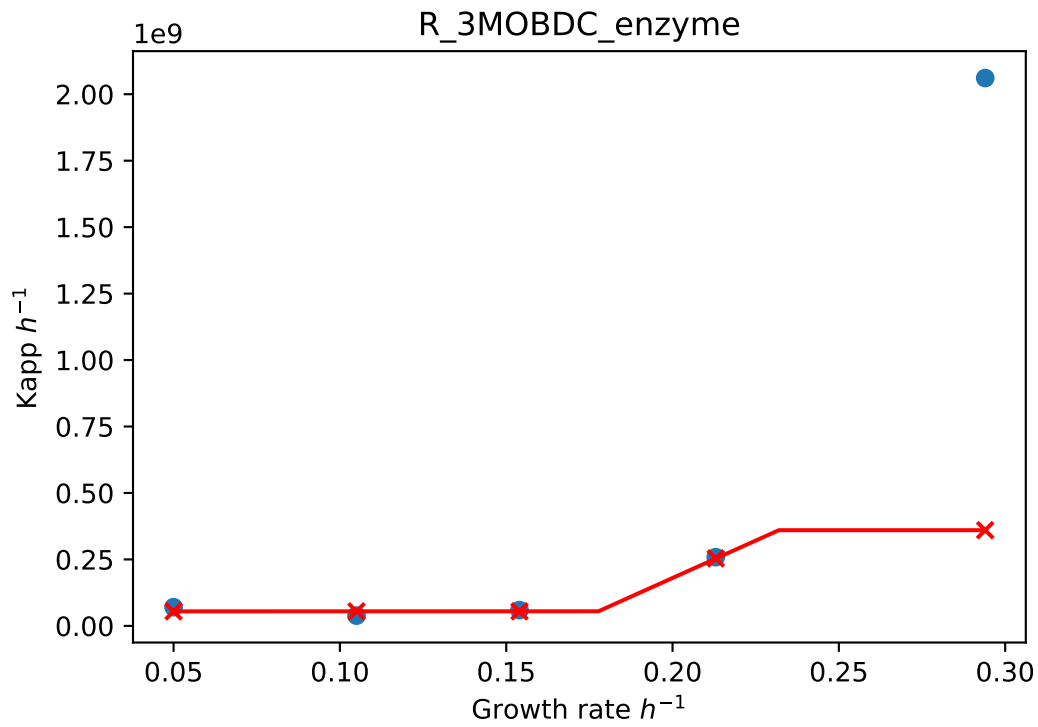


R_13GS_duplicate_8_enzyme

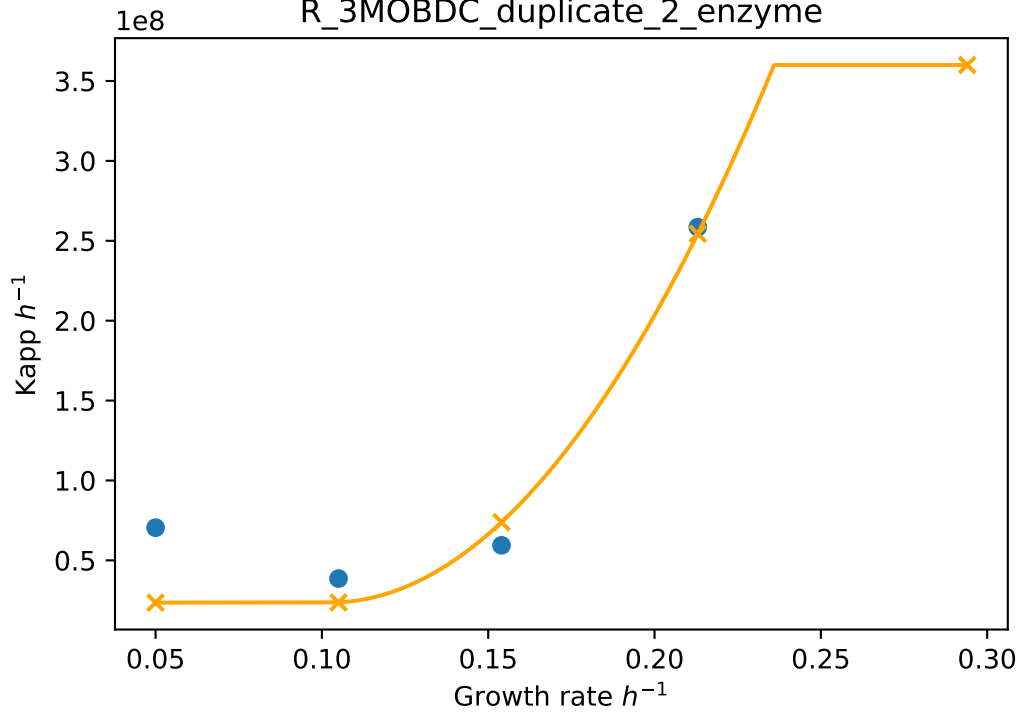


R_13GS_duplicate_9_enzyme

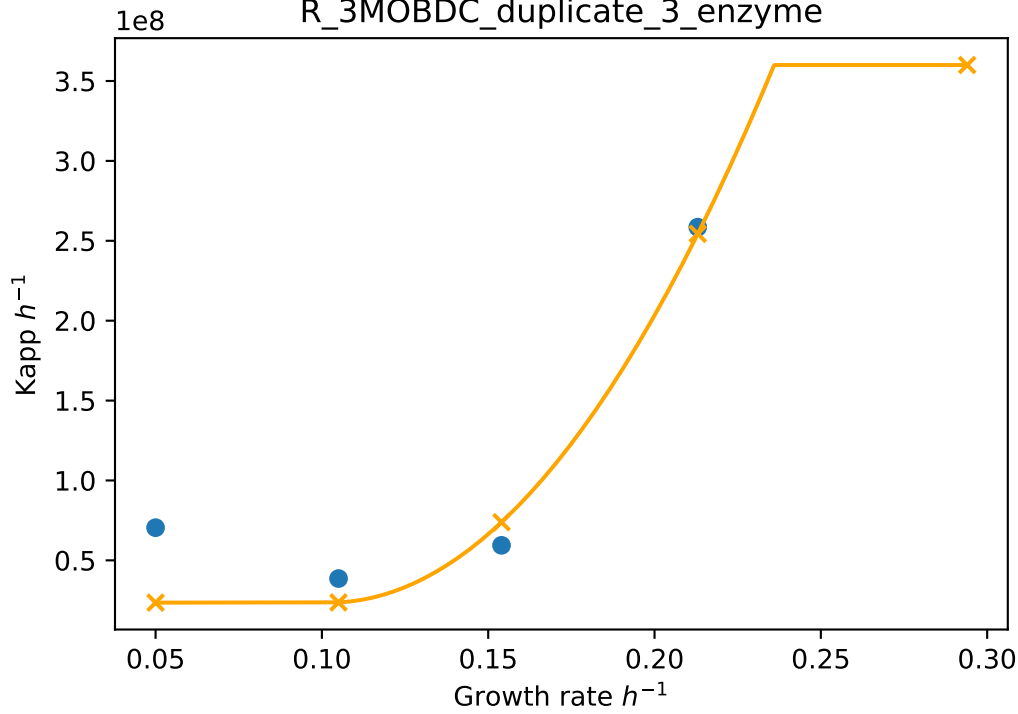




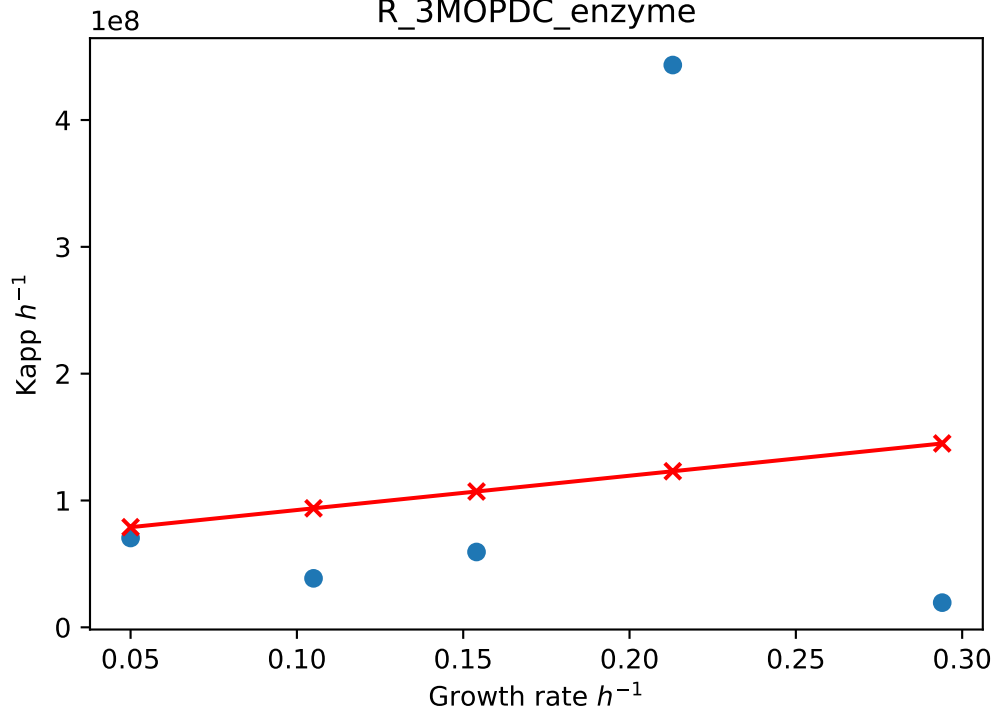
R_3MOBDC_duplicate_2_enzyme



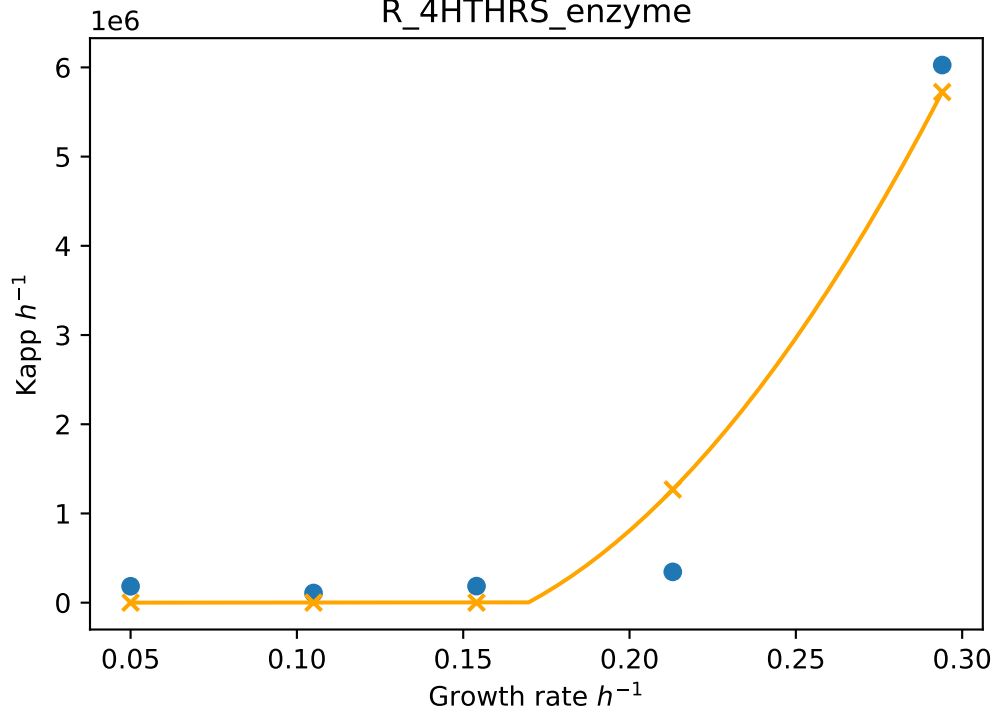
R_3MOBDC_duplicate_3_enzyme



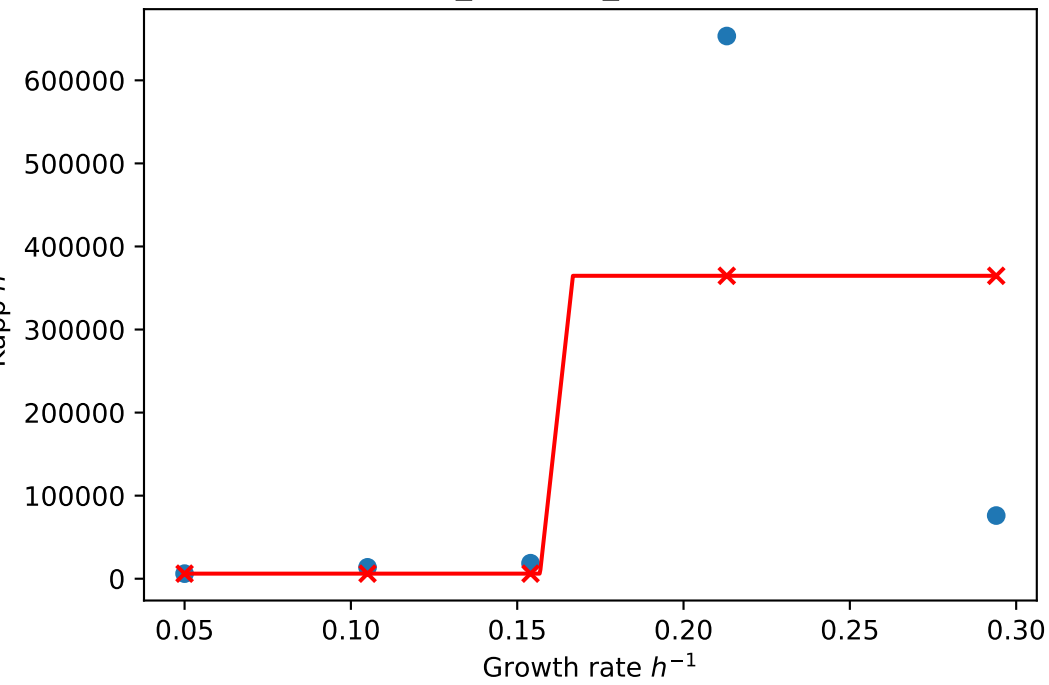
R_3MOPDC_enzyme



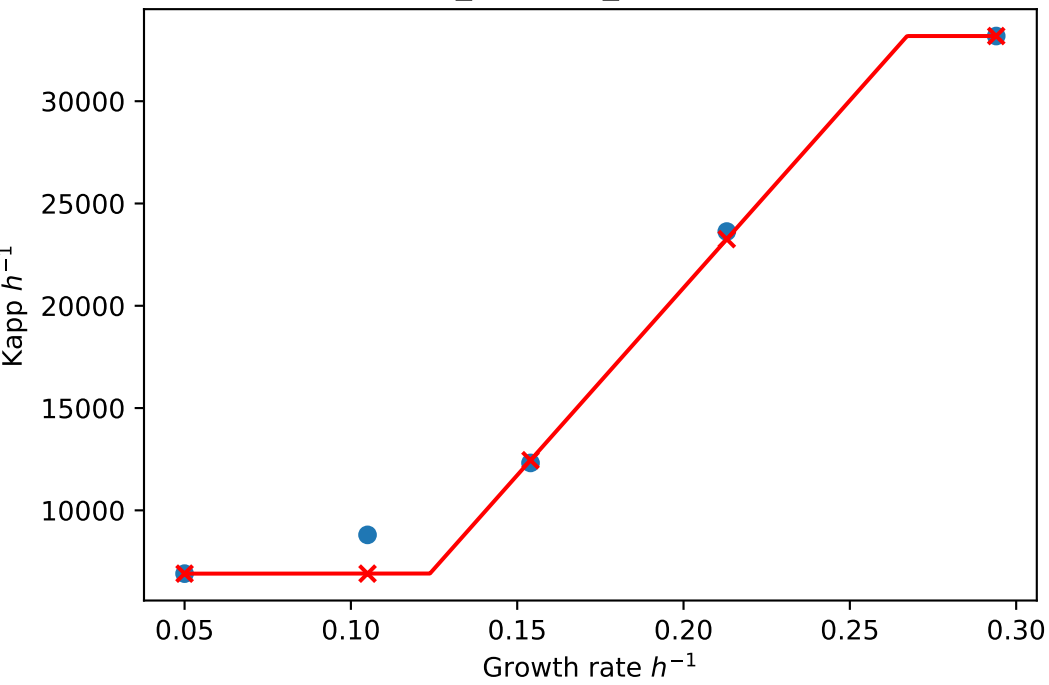
R_4HTHS_enzyme



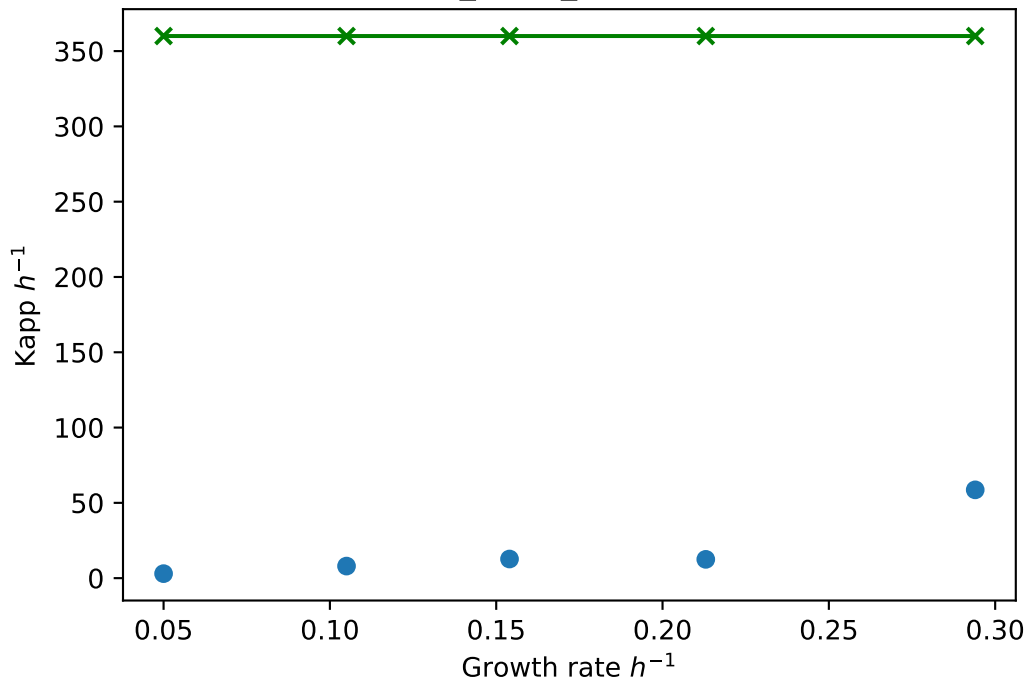
R_AASAD1_enzyme

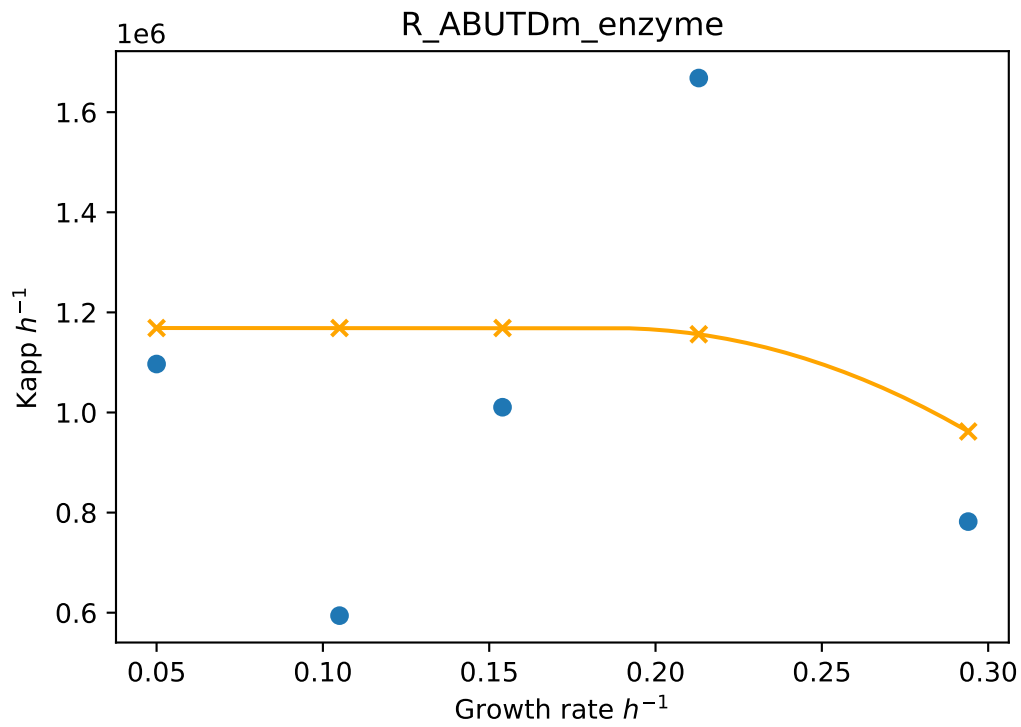


R_AASAD2_enzyme

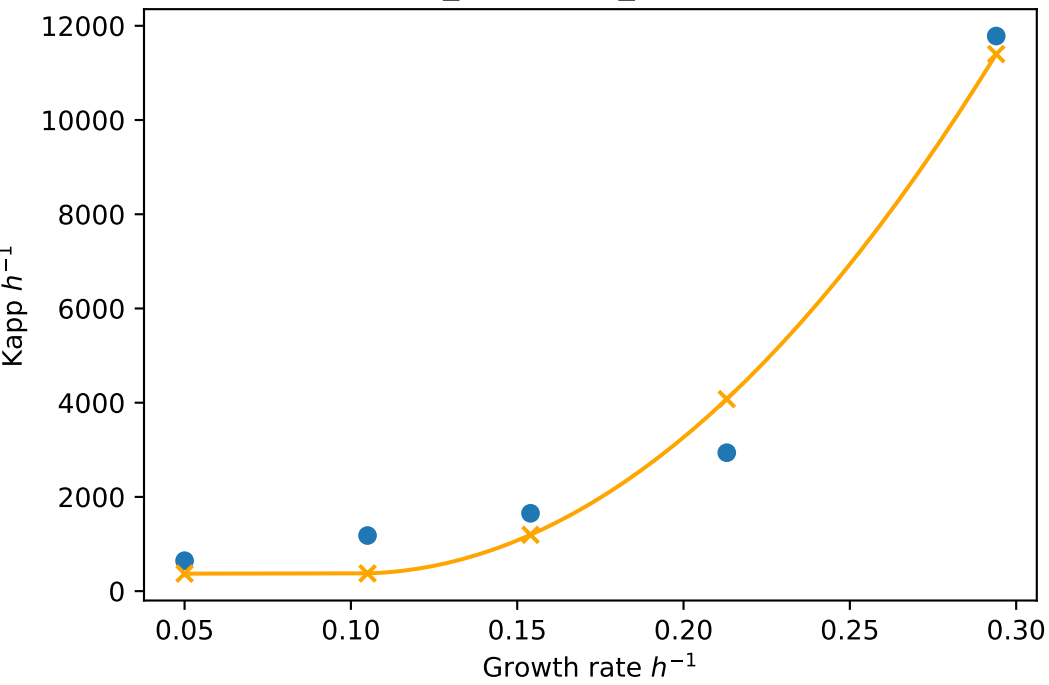


R_ABTA_enzyme

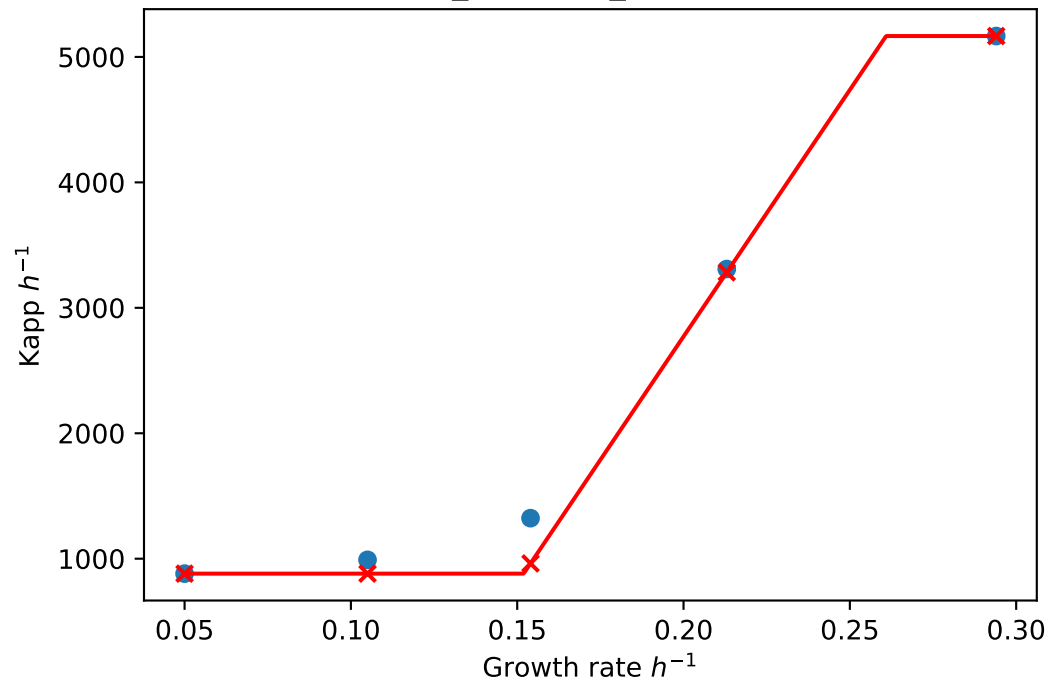


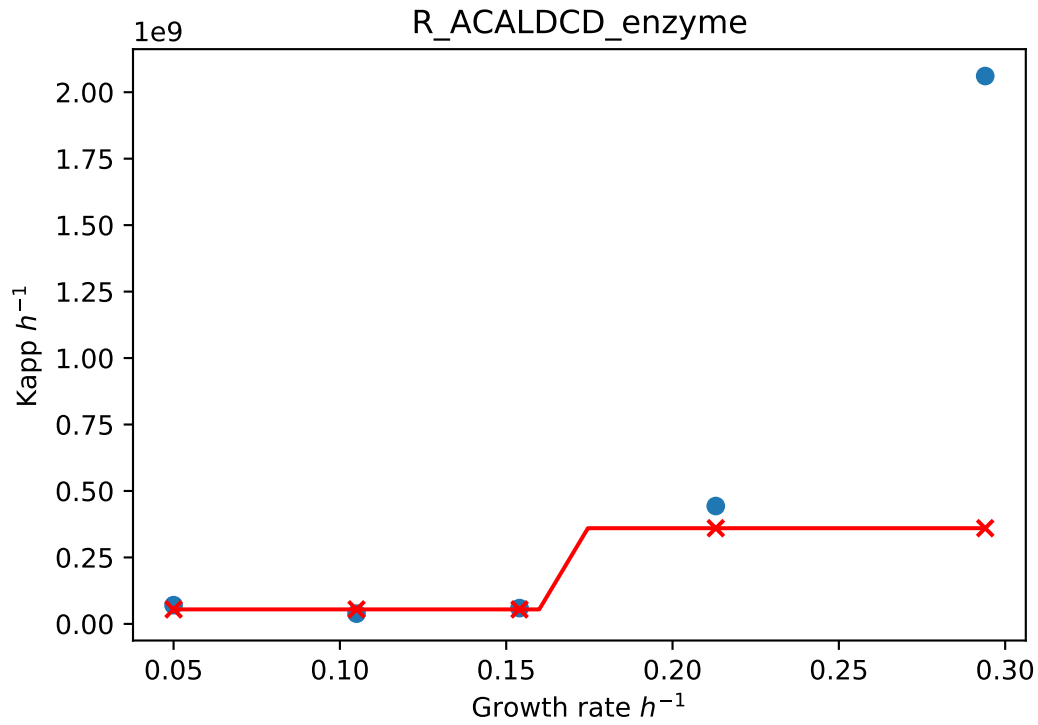


R_ACACT1m_enzyme

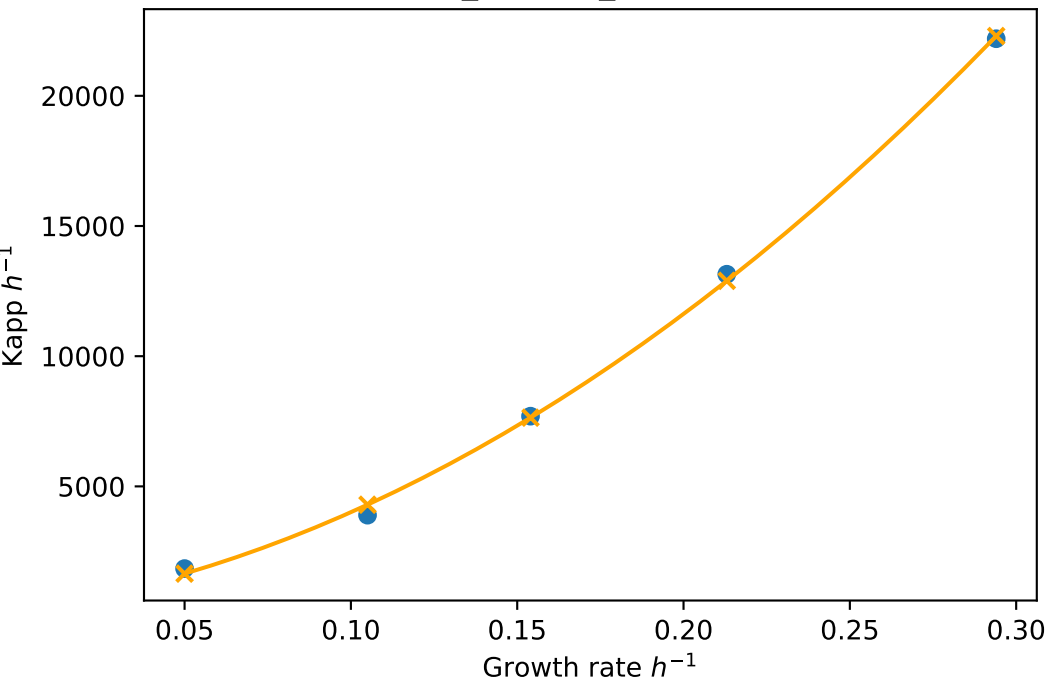


R_ACACT1r_enzyme

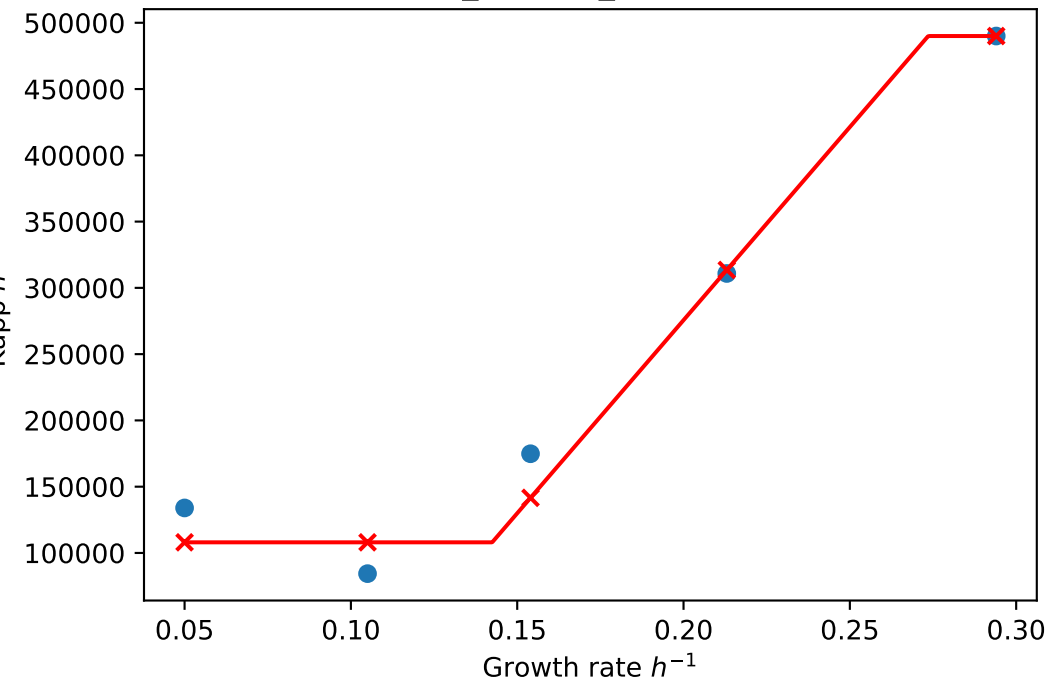




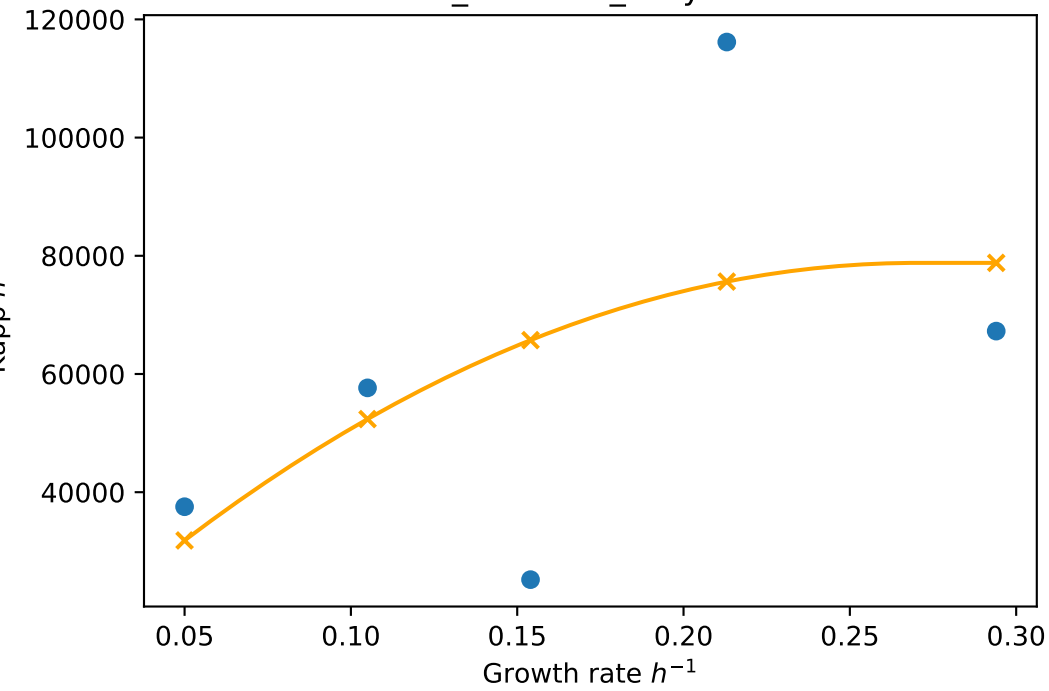
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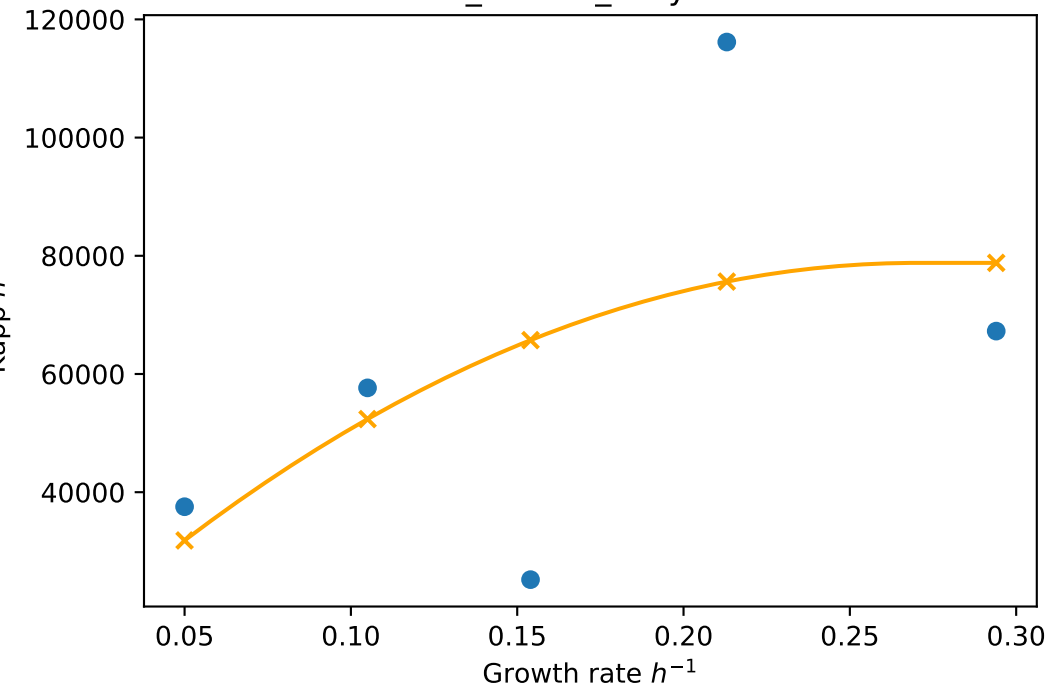
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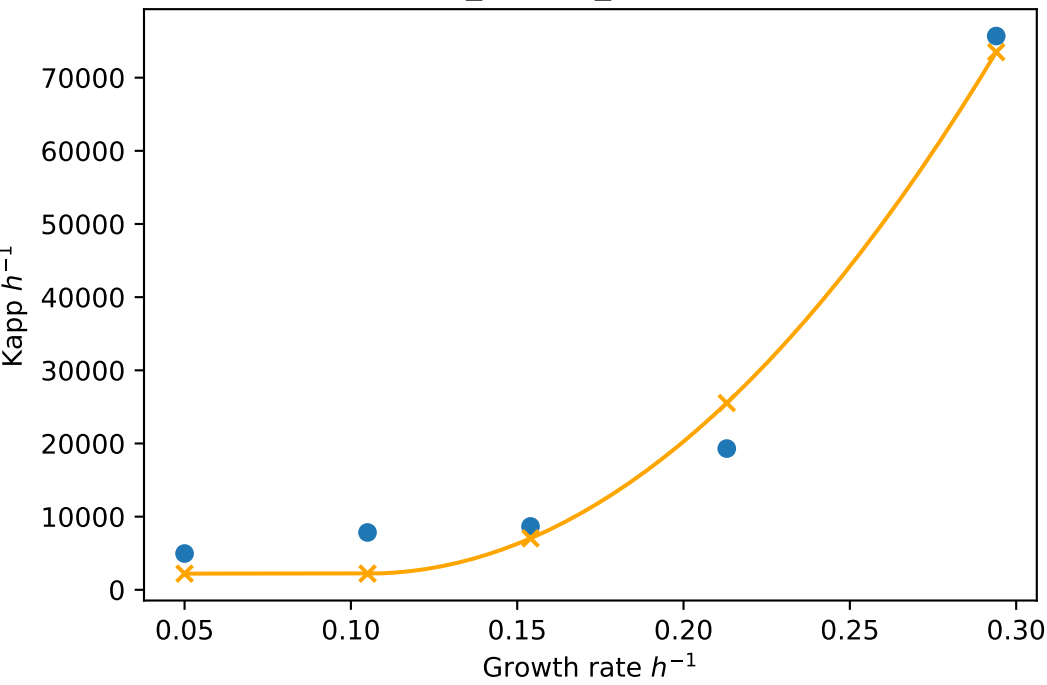
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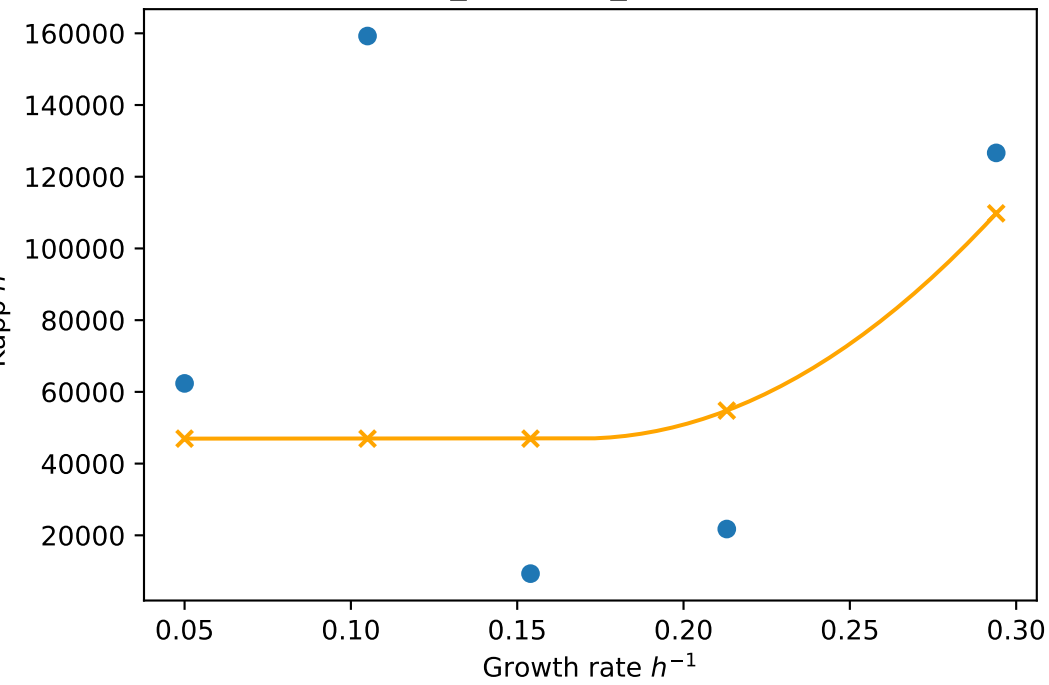
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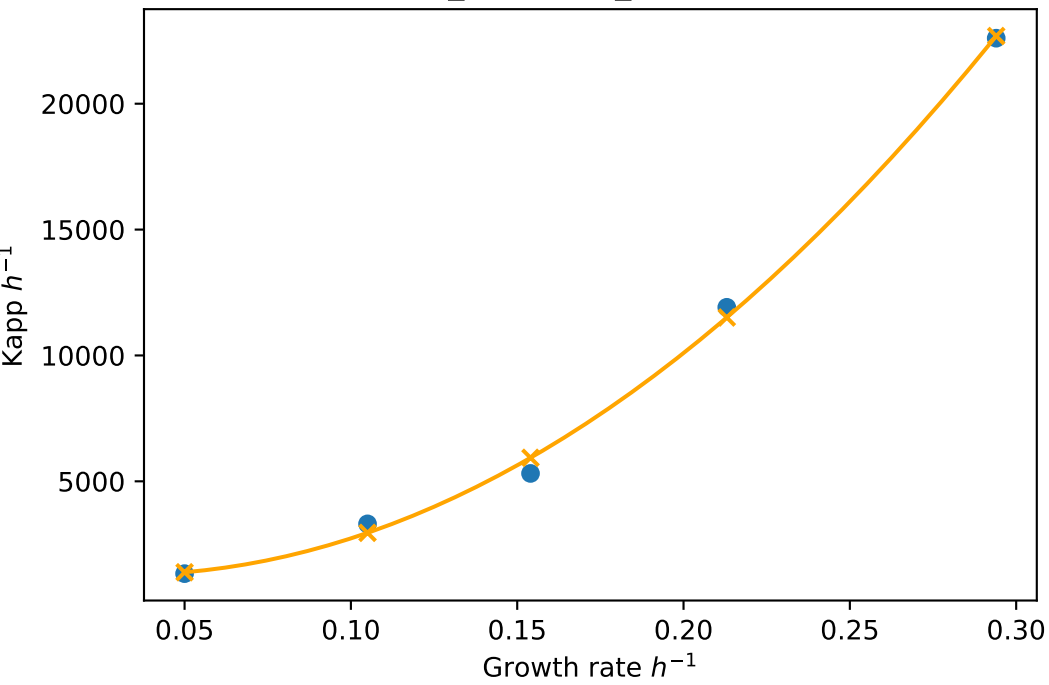
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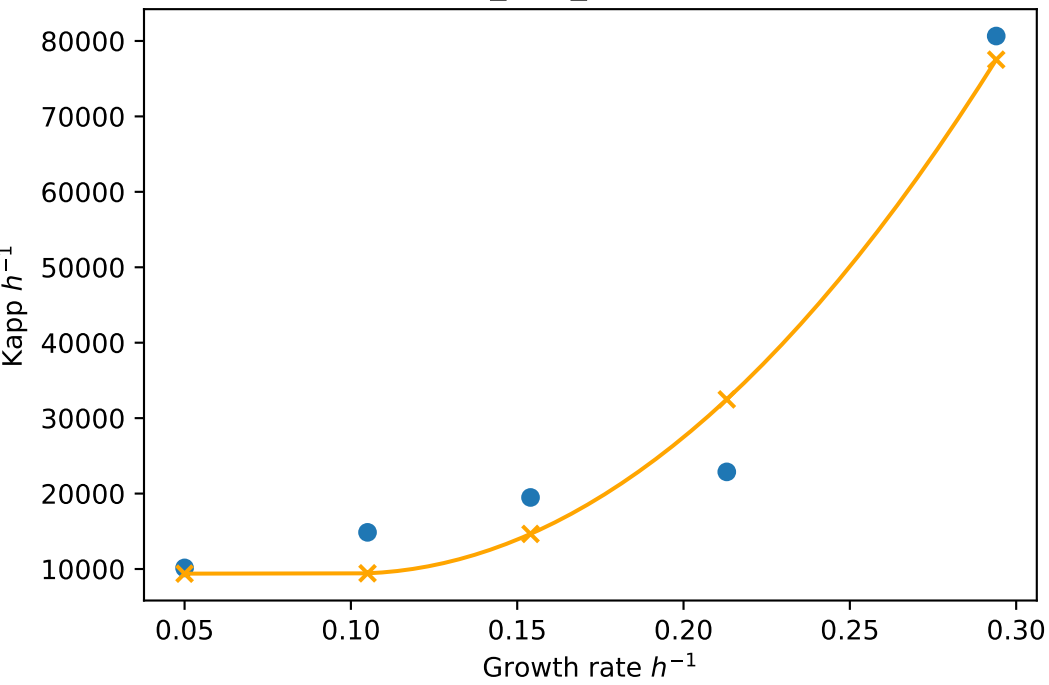
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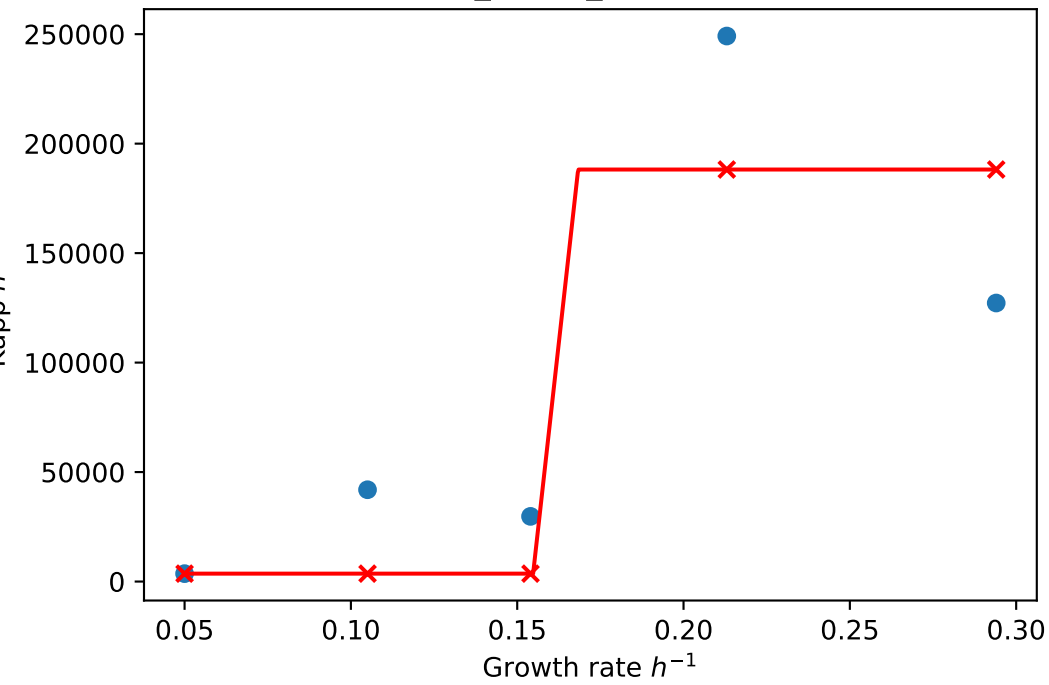
R_ACOTaim_enzyme



R_ACS_enzyme

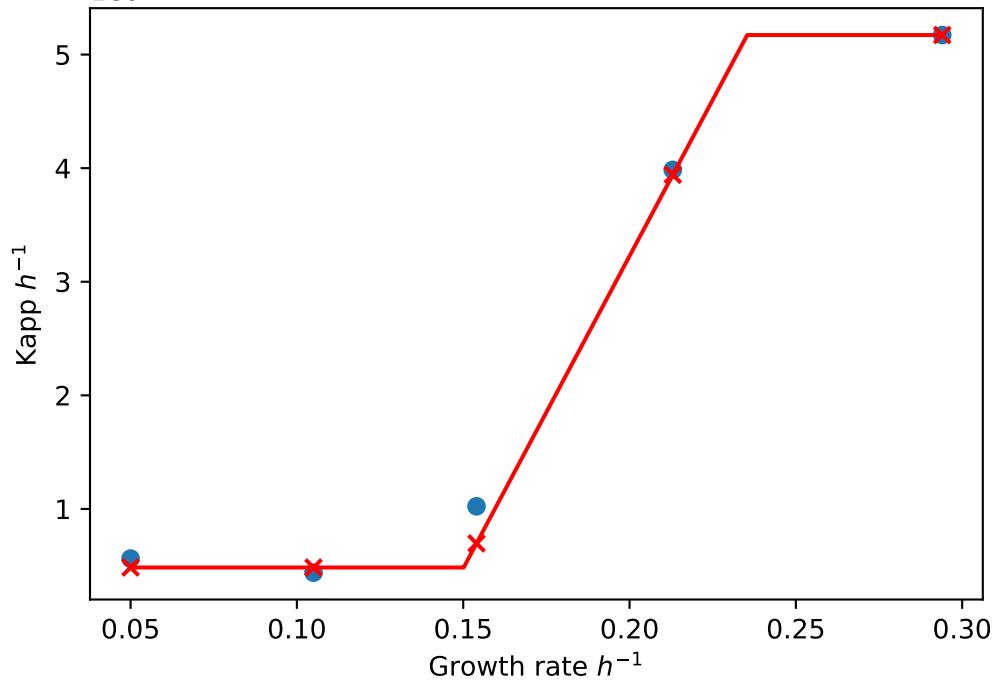


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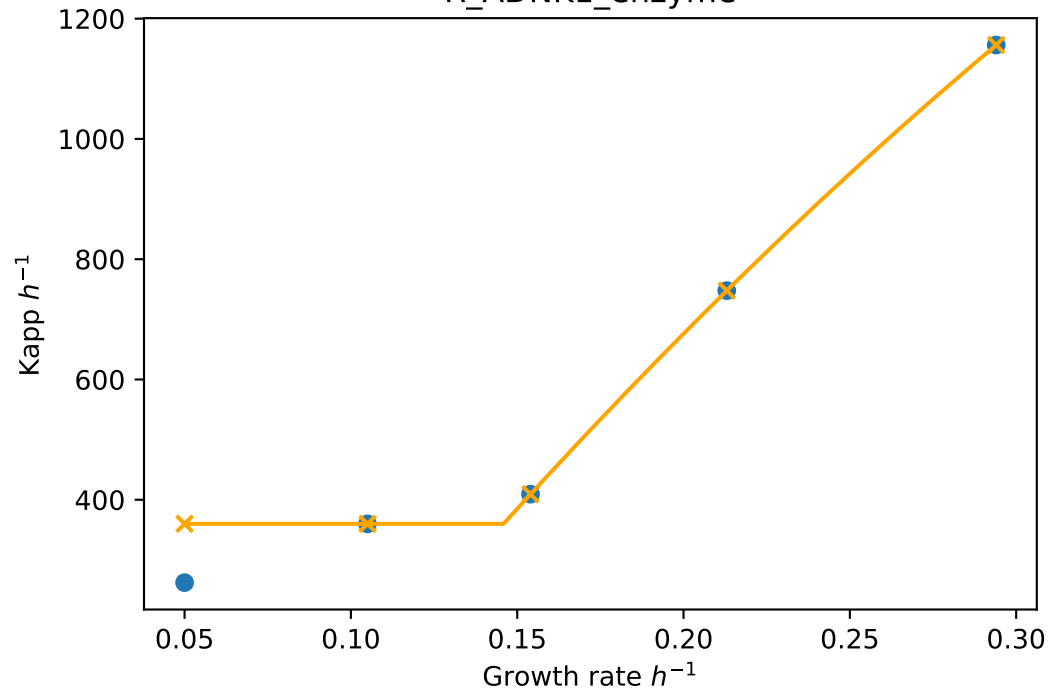


R_ACSp_enzyme

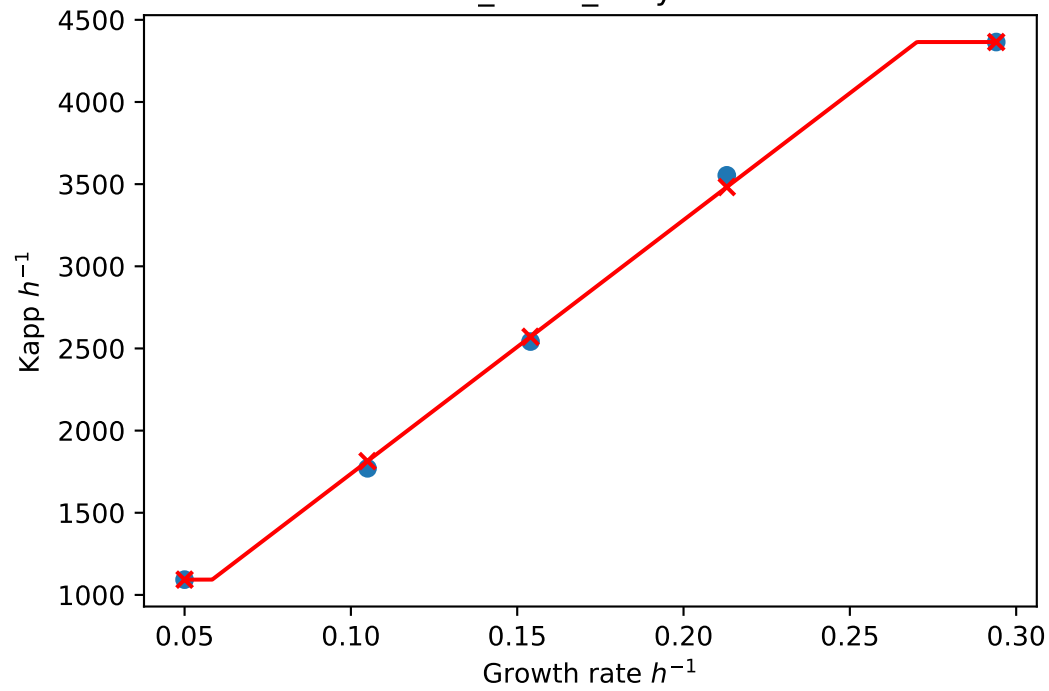
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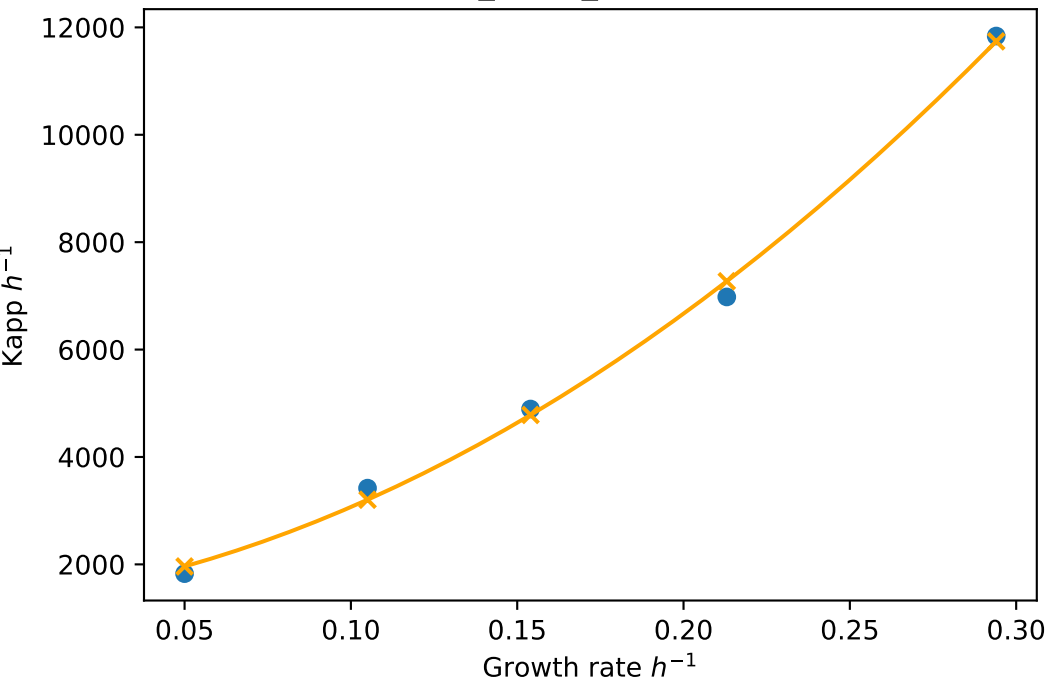
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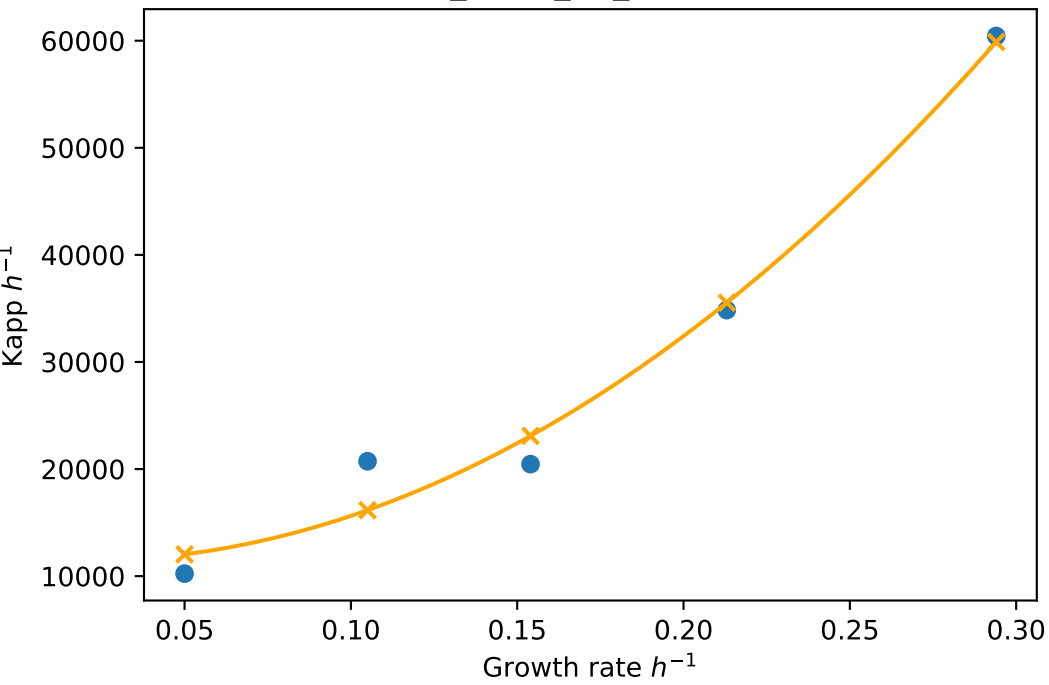
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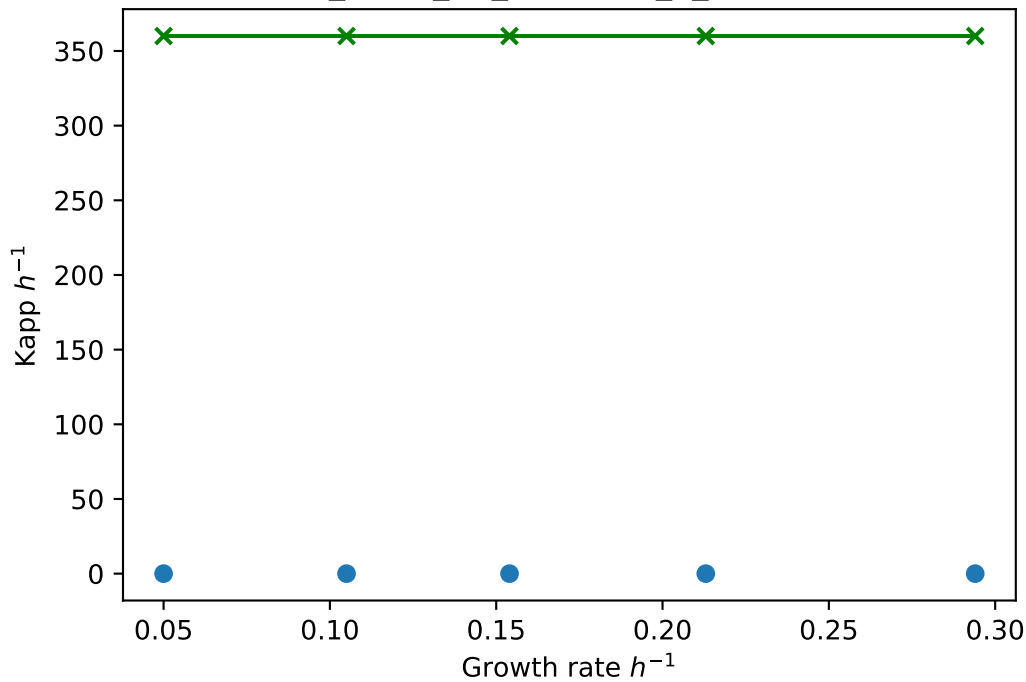
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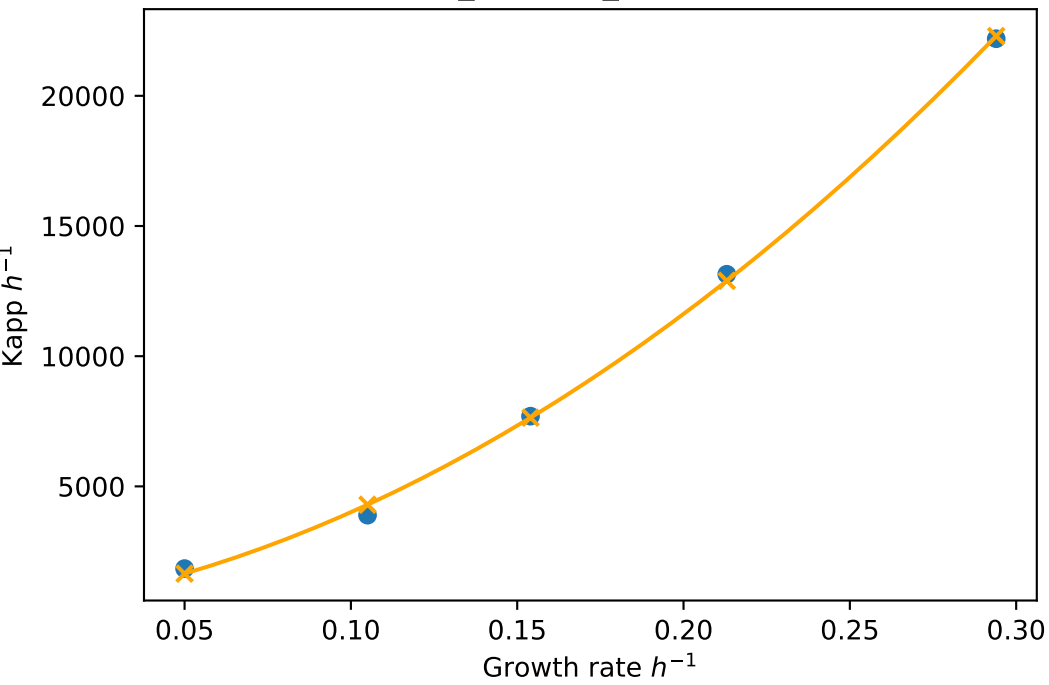
R_AGAT_SC_enzyme



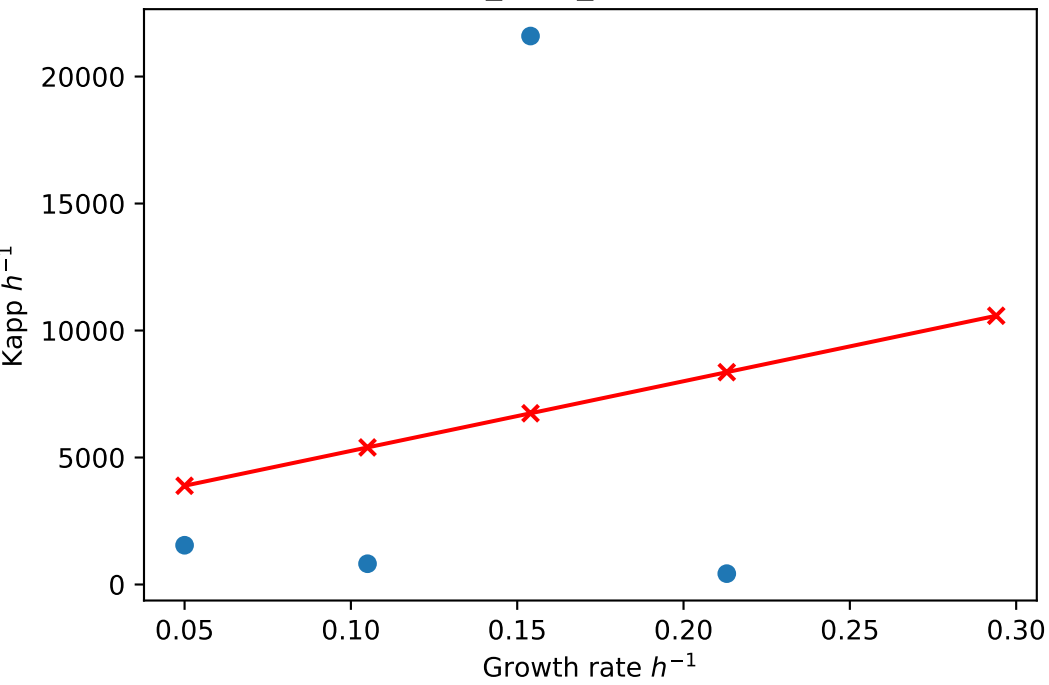
R_AGAT_SC_duplicate_2_enzyme



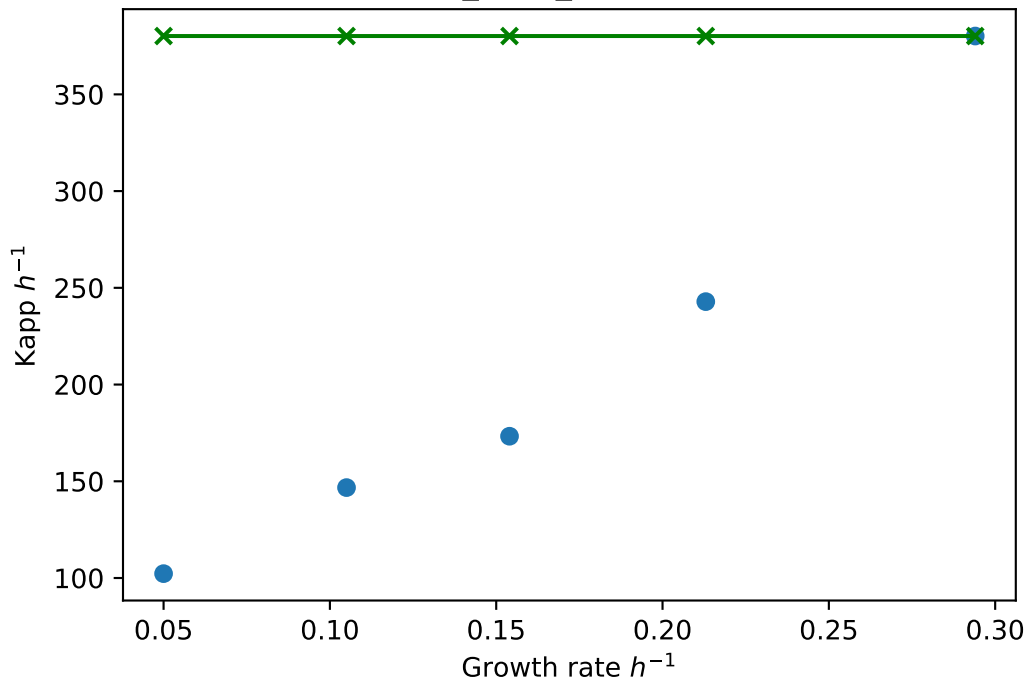
R_AGPRim_enzyme



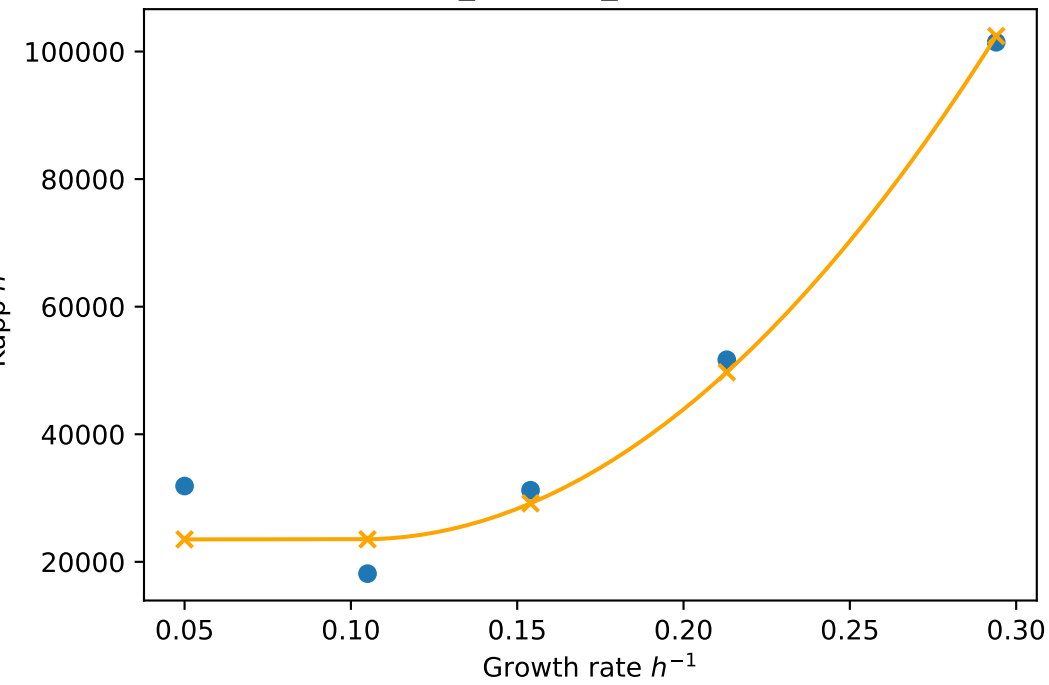
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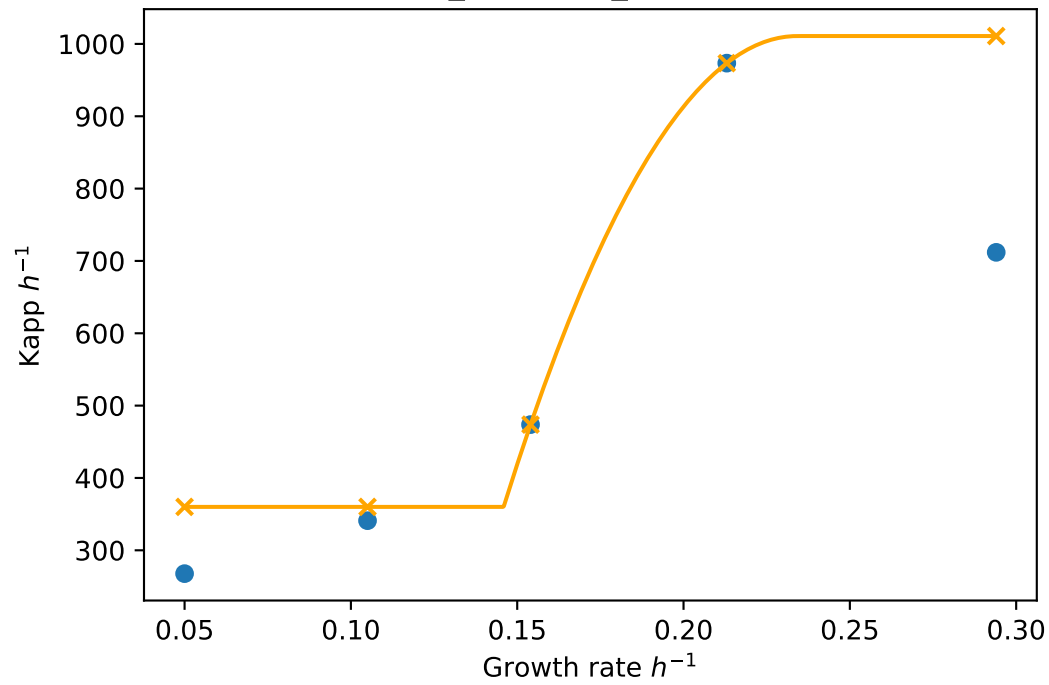
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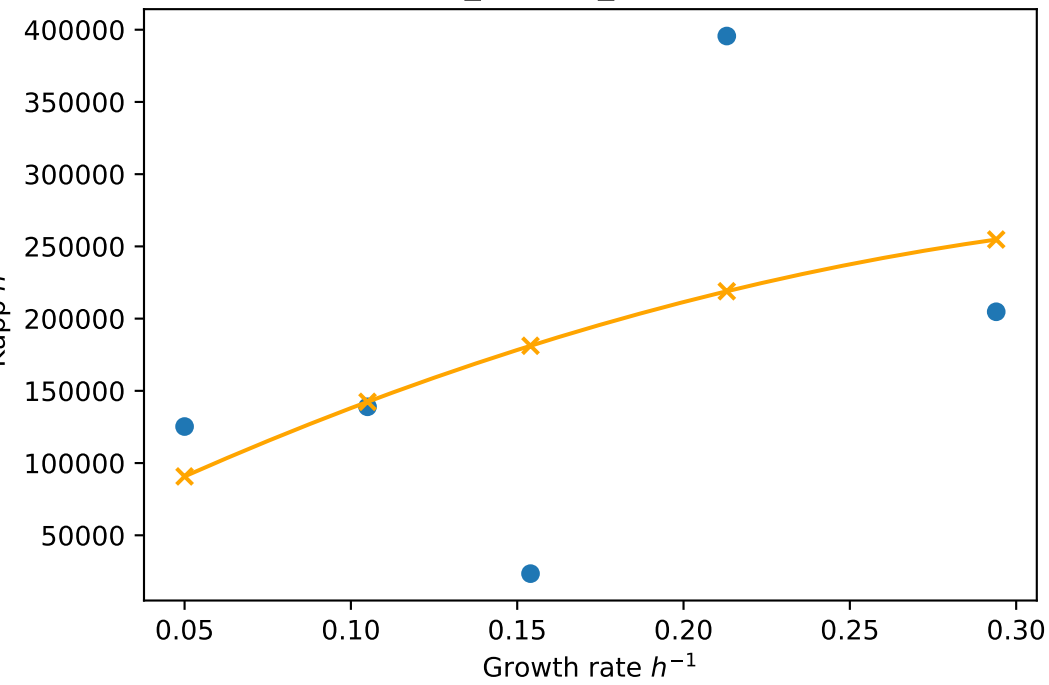
R_AHSERL_enzyme



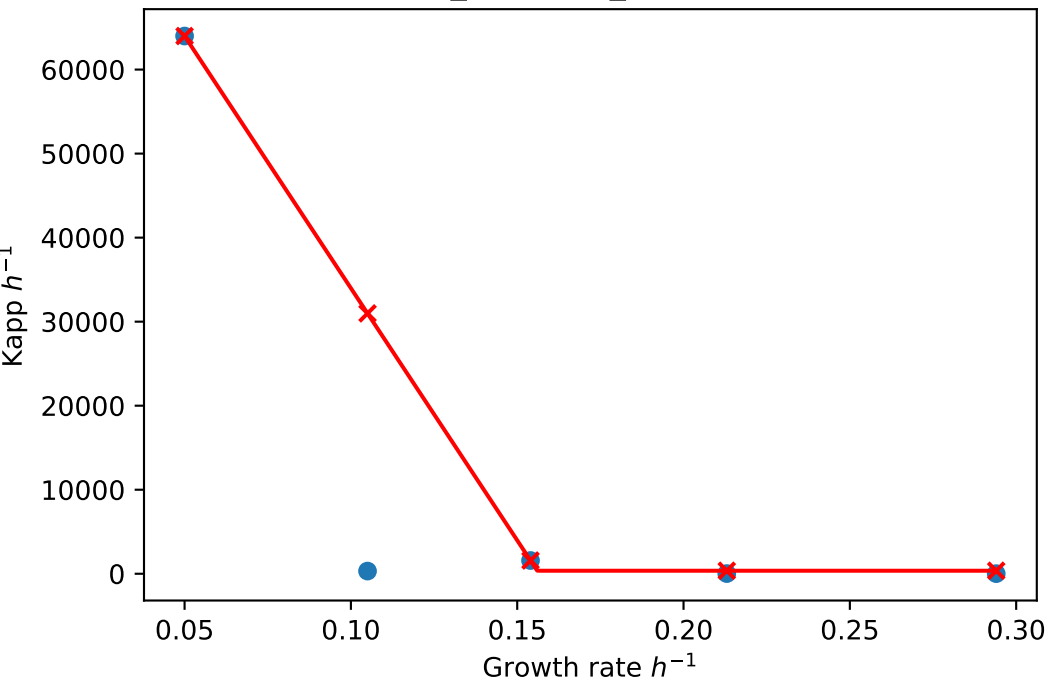
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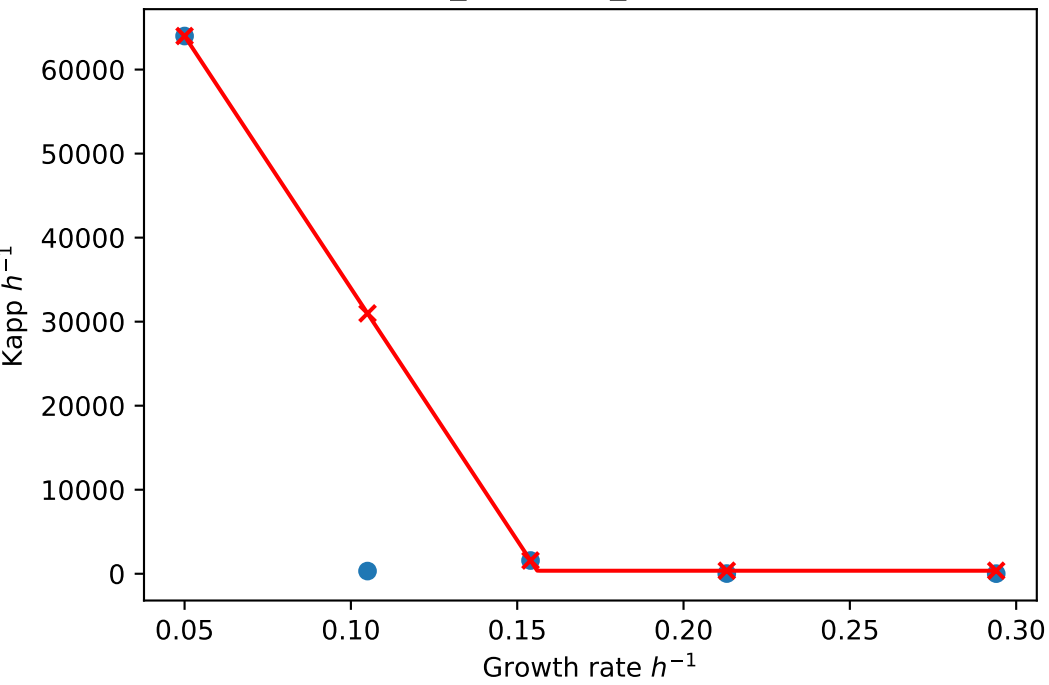
R_AICART_enzyme



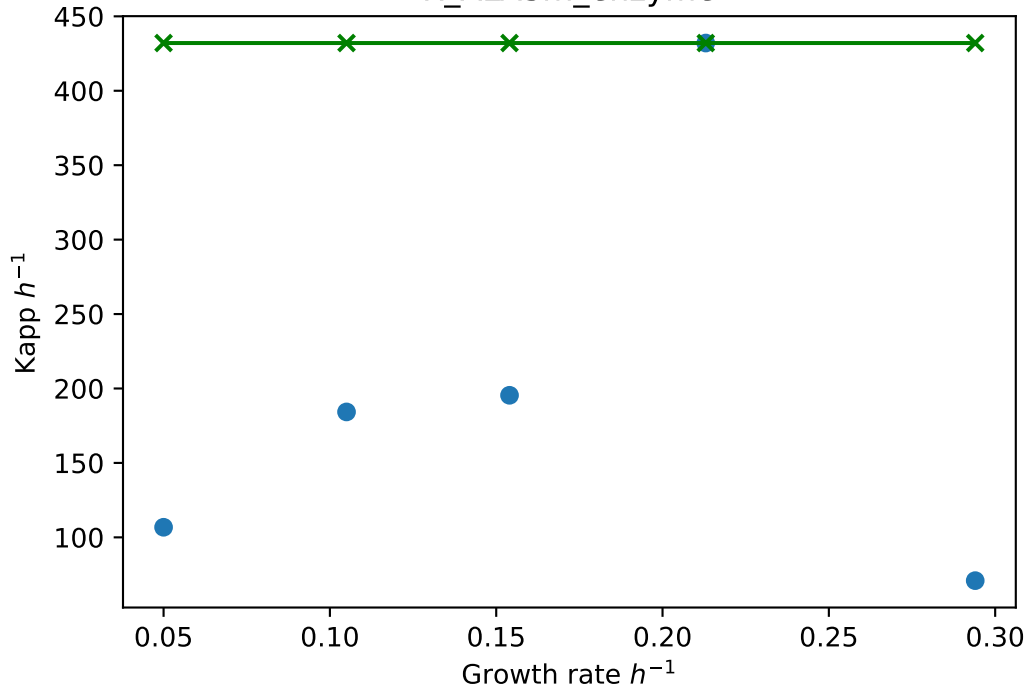
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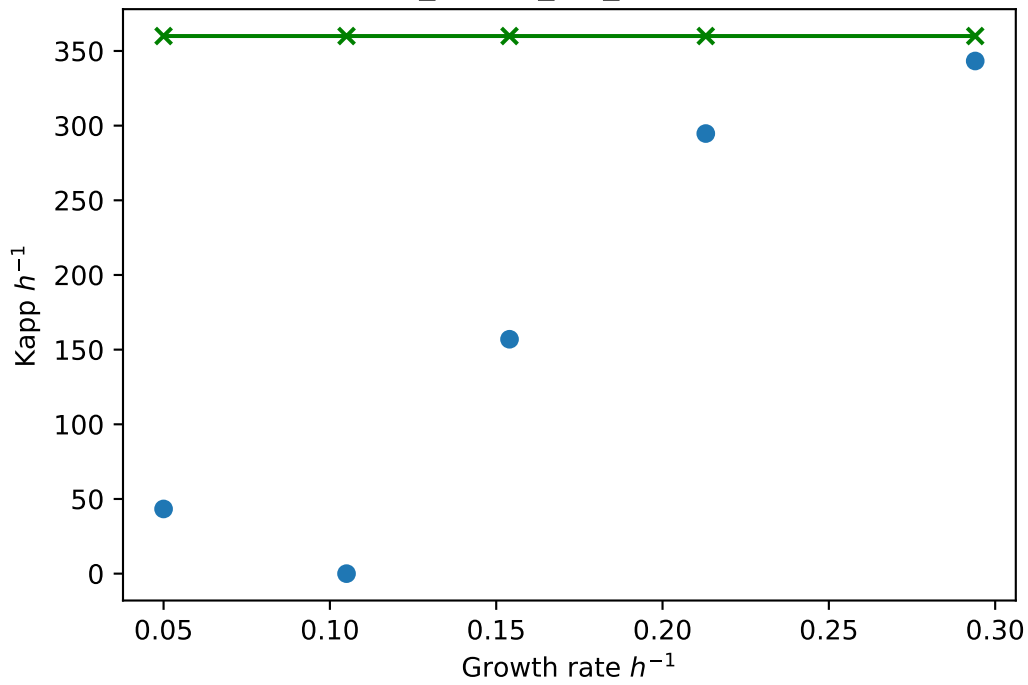
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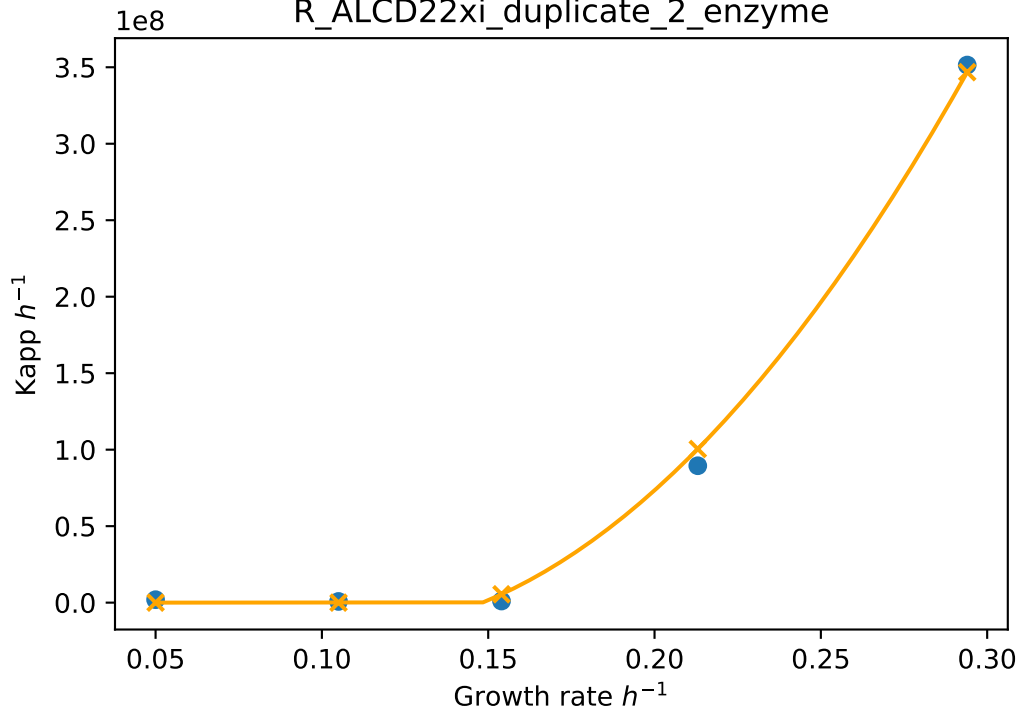
R_ALASm_enzyme

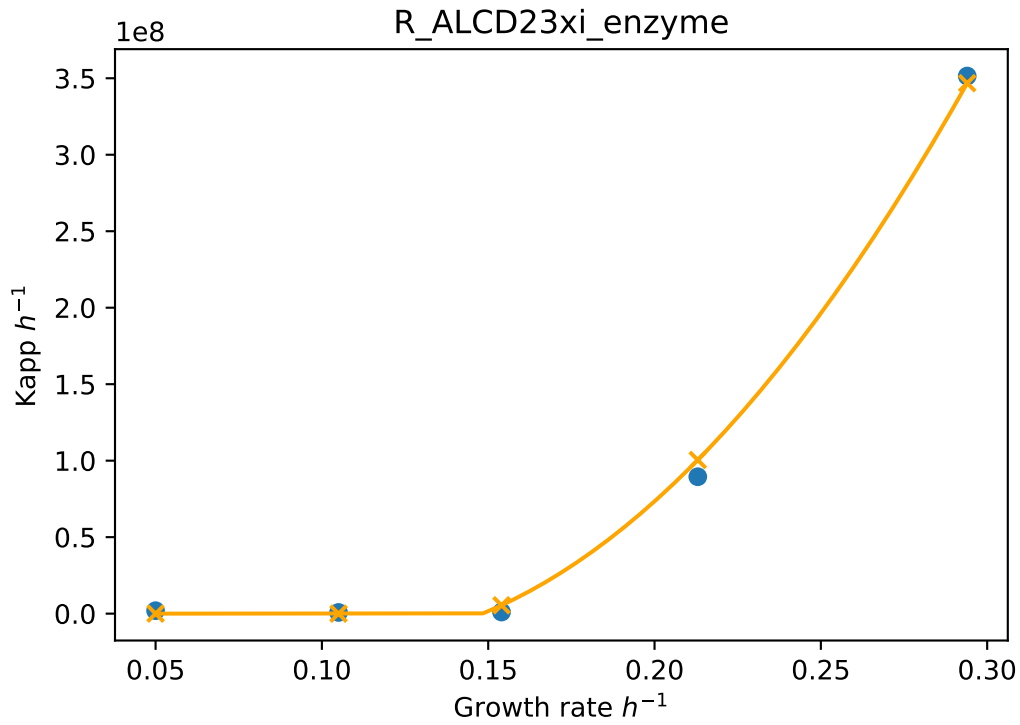


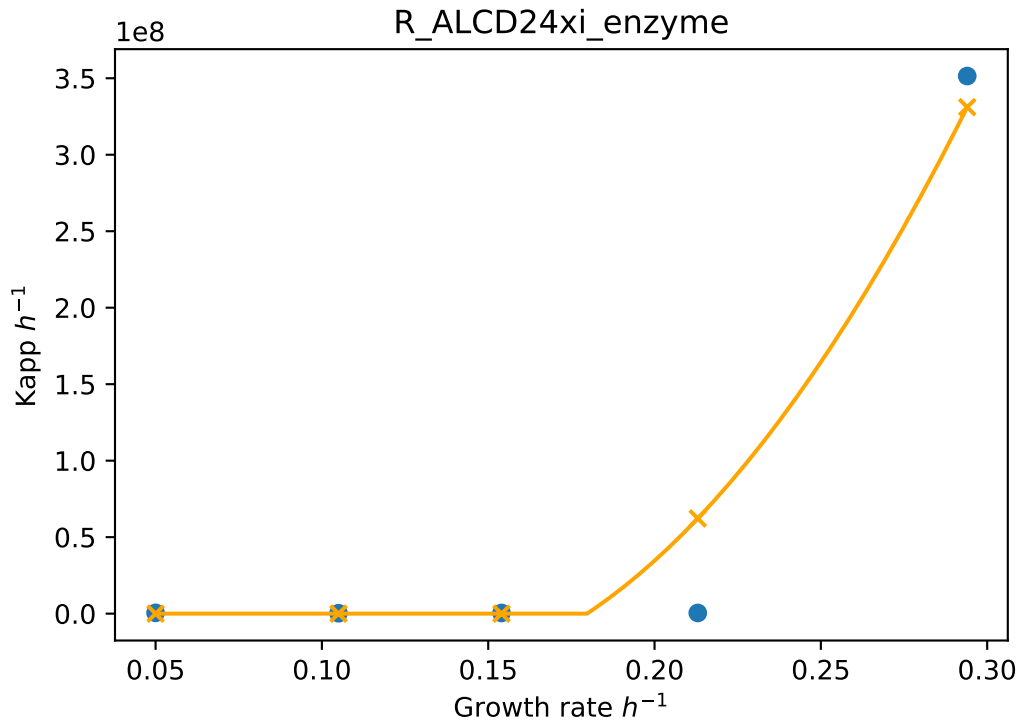
R_ALATA_Lm_enzyme



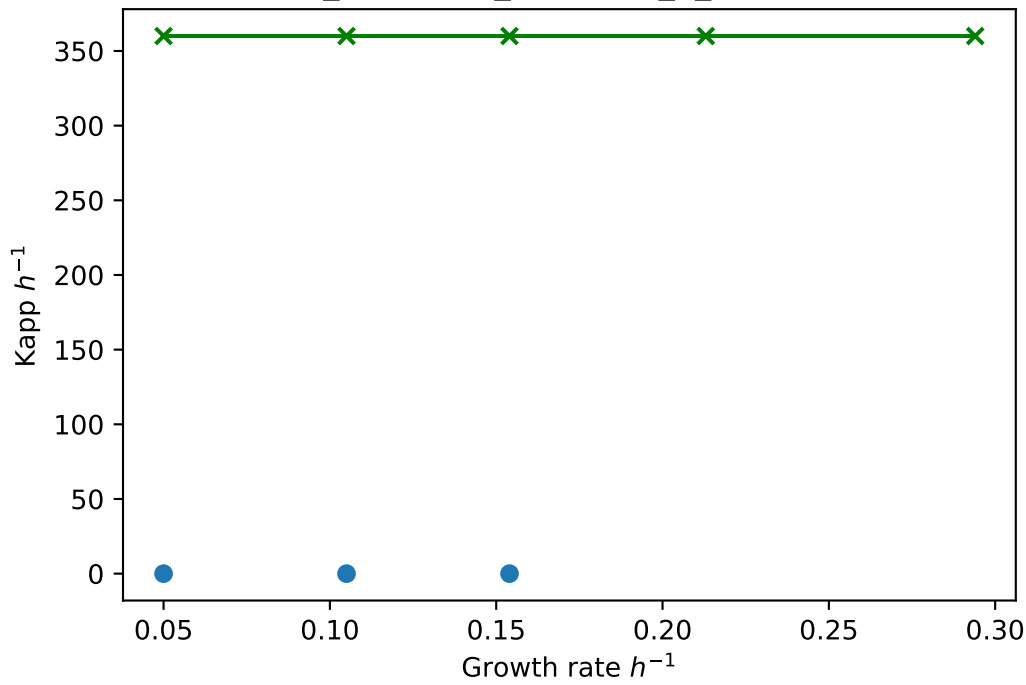
R_ALCD22xi_duplicate_2_enzyme



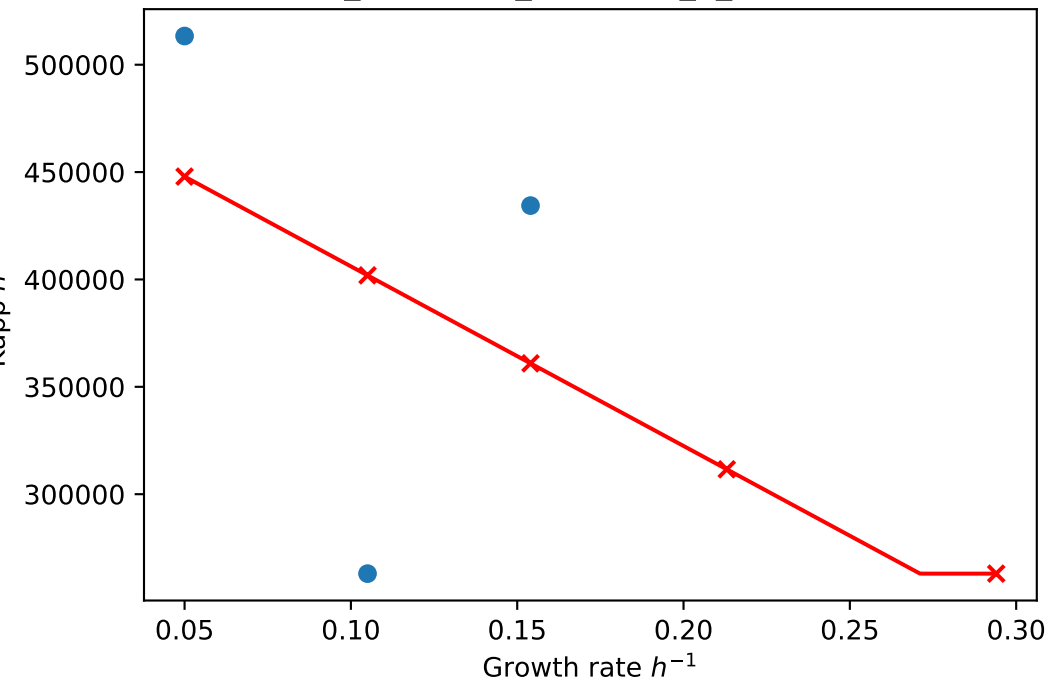




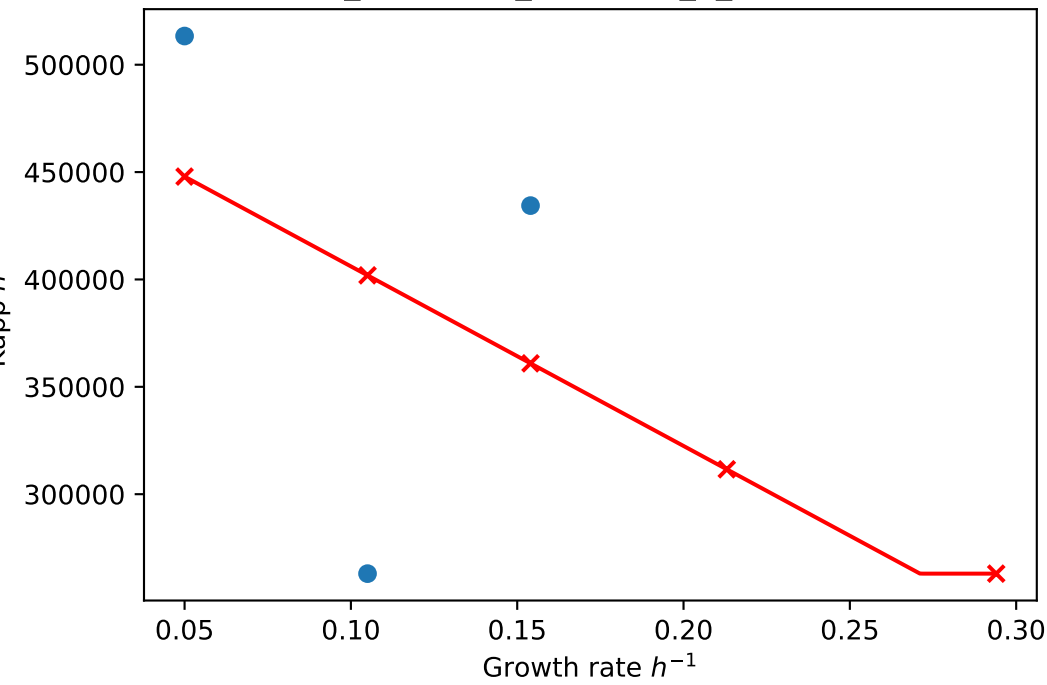
R_ALCD24xi_duplicate_2_enzyme



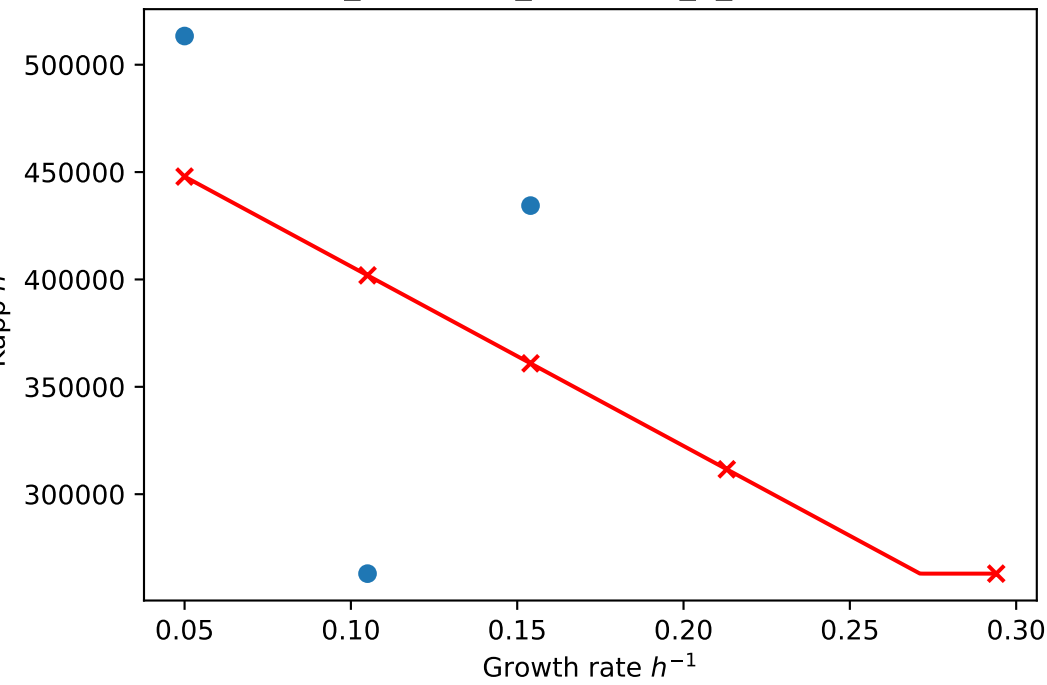
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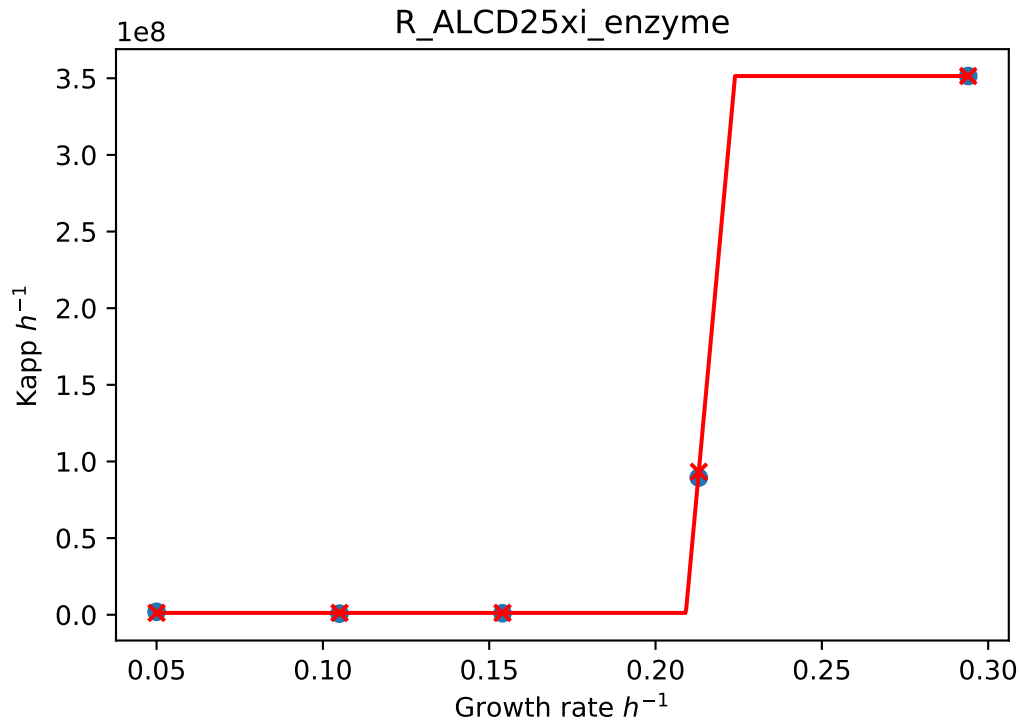


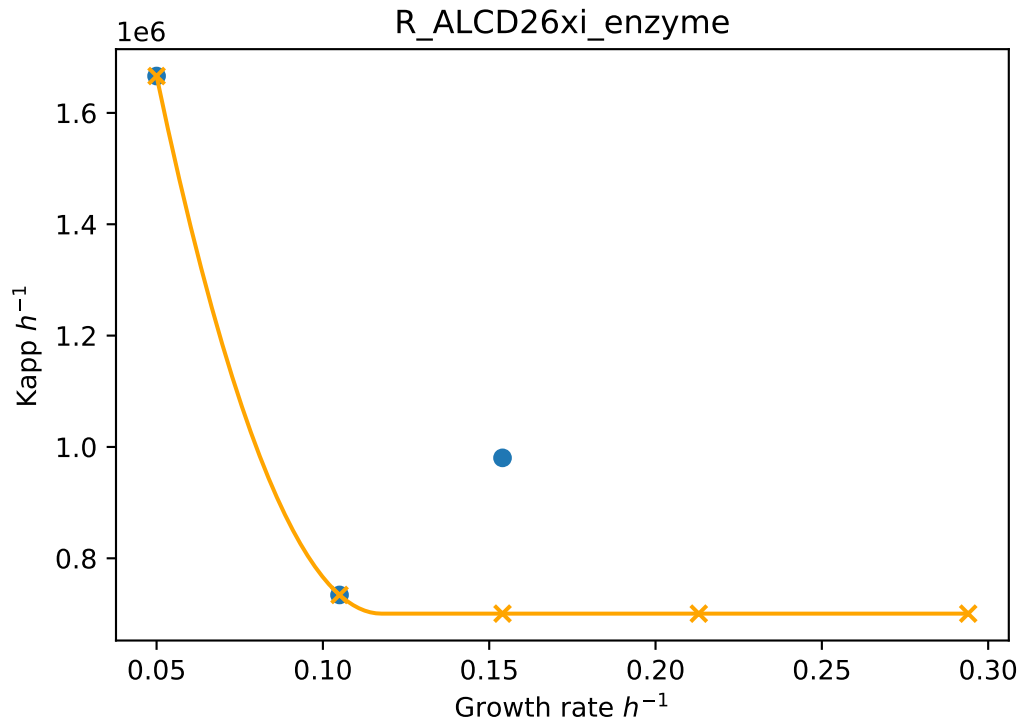
R_ALCD24xi_duplicate_4_enzyme

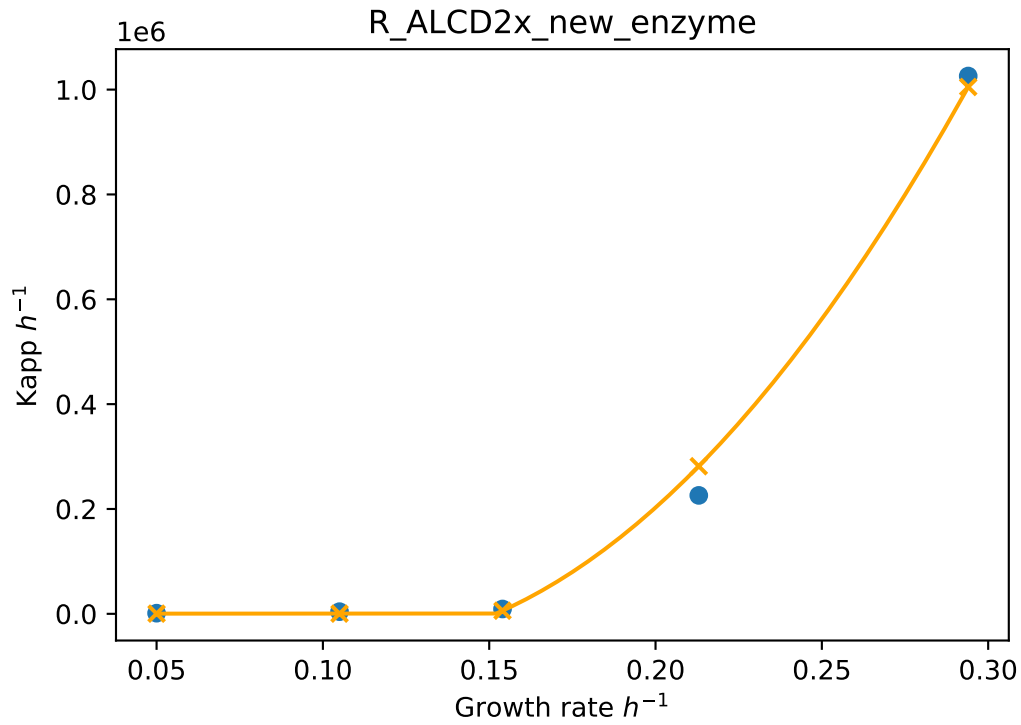


R_ALCD24xi_duplicate_5_enzyme

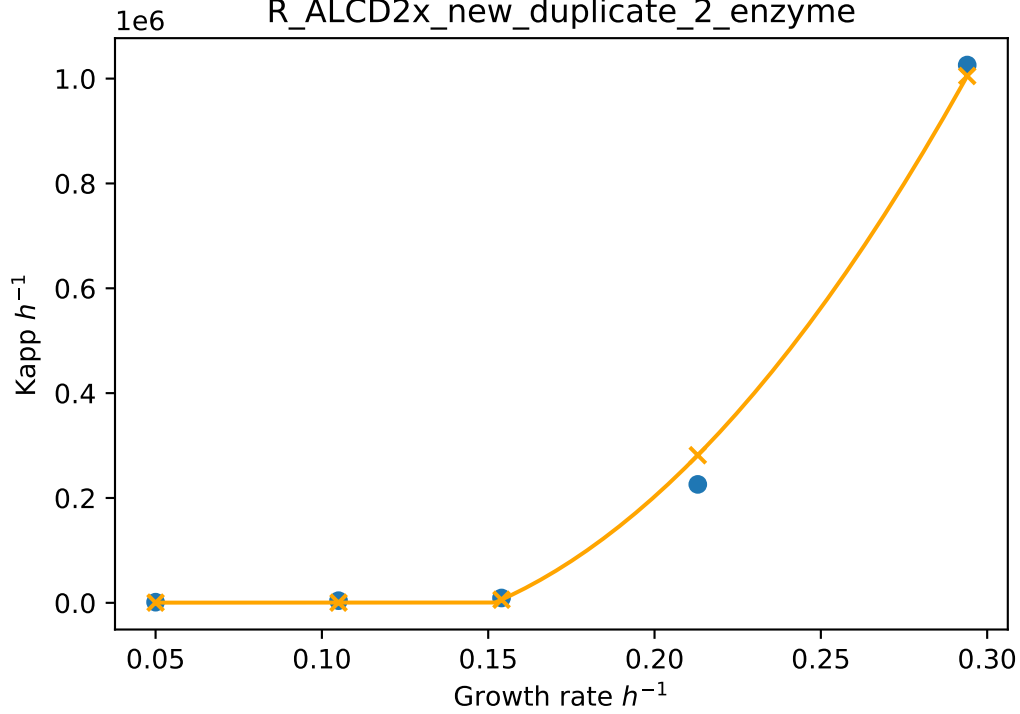




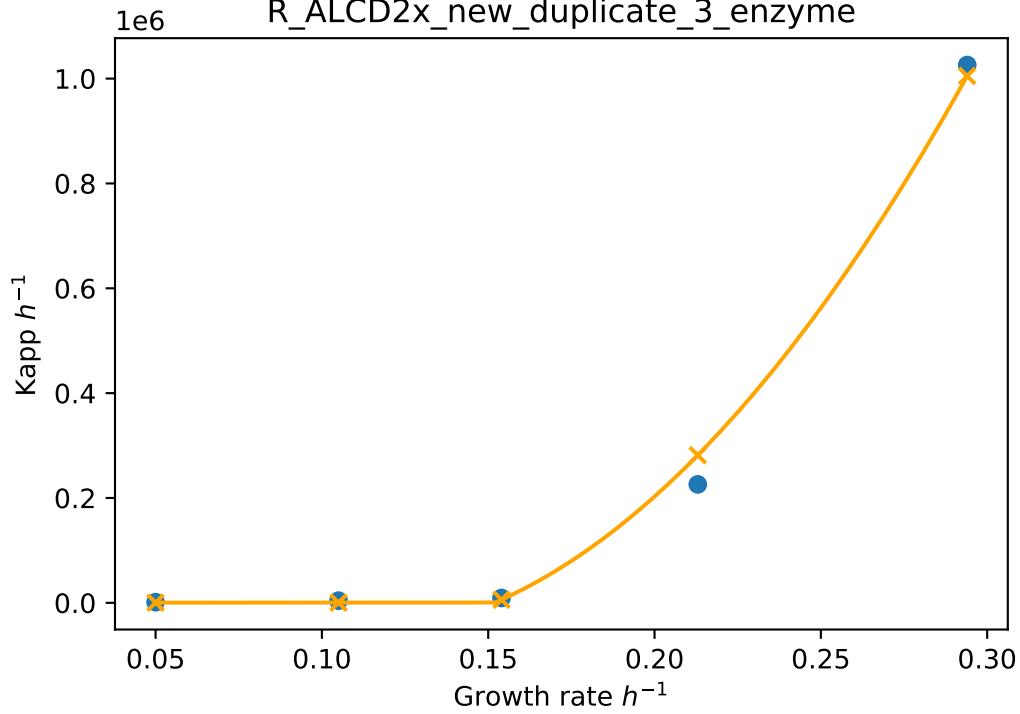




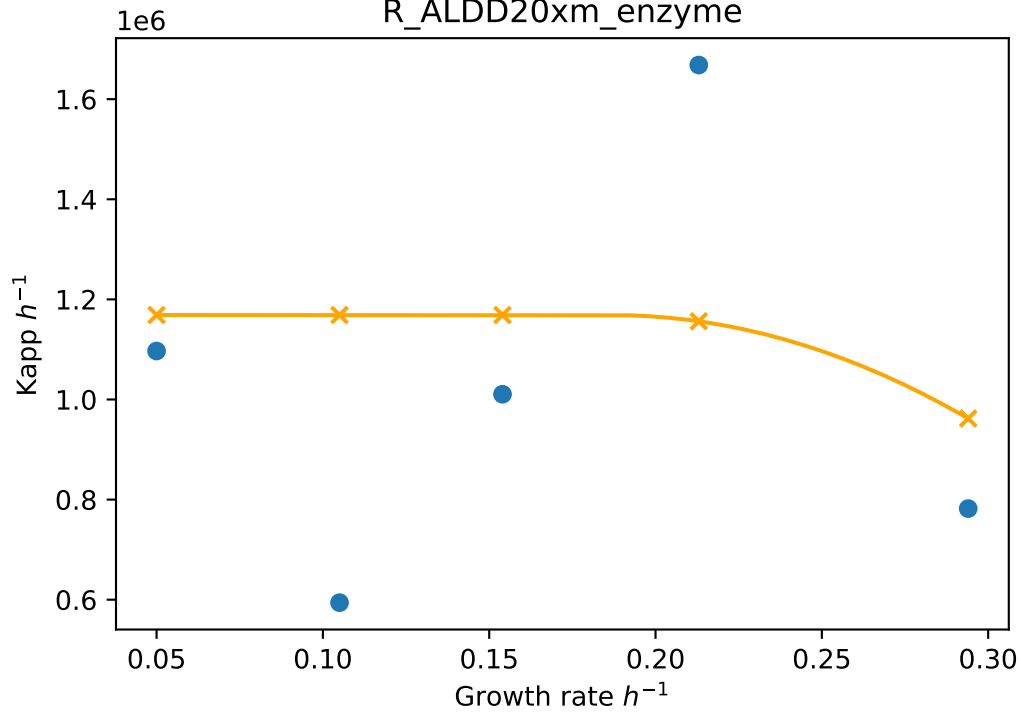
R_ALCD2x_new_duplicate_2_enzyme



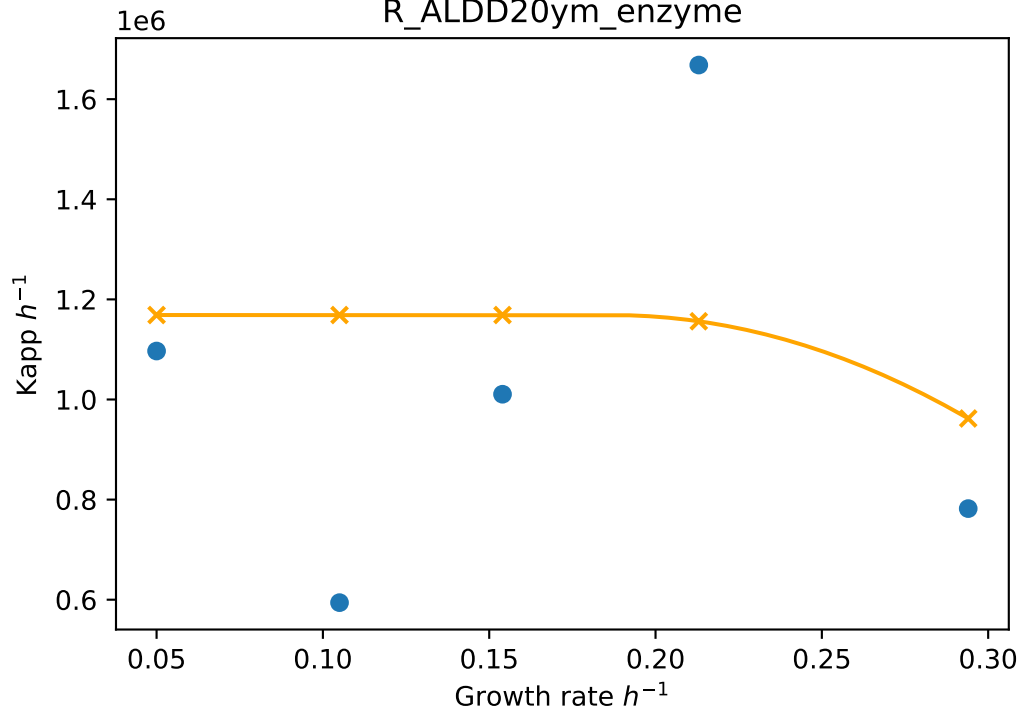
R_ALCD2x_new_duplicate_3_enzyme

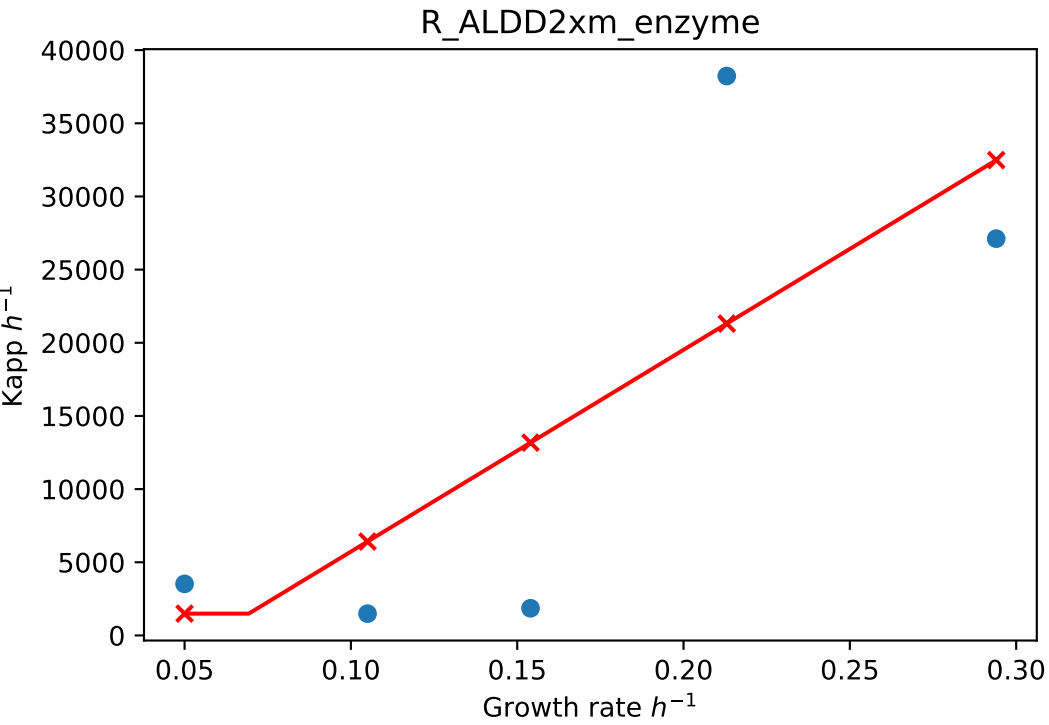


R_ALDD20xm_enzyme

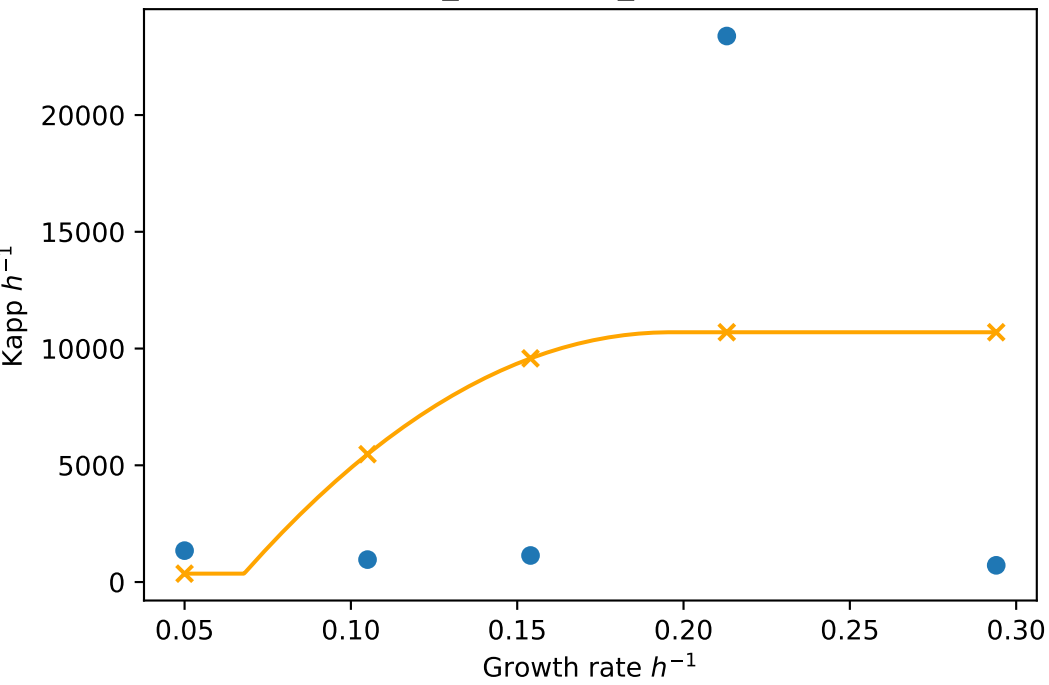


R_ALDD20ym_enzyme

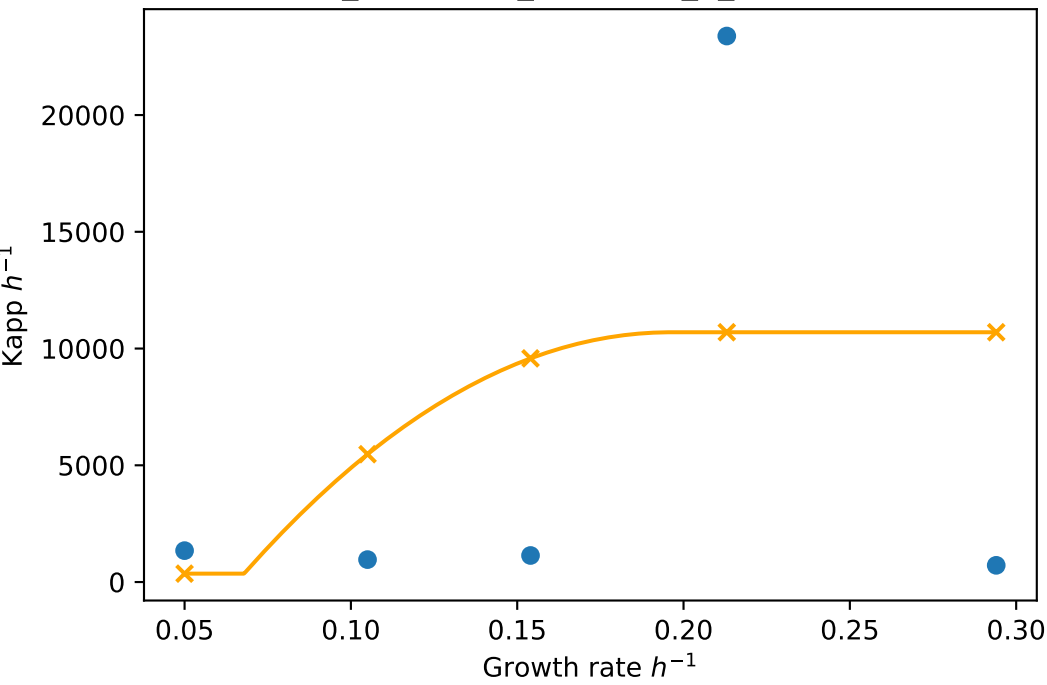


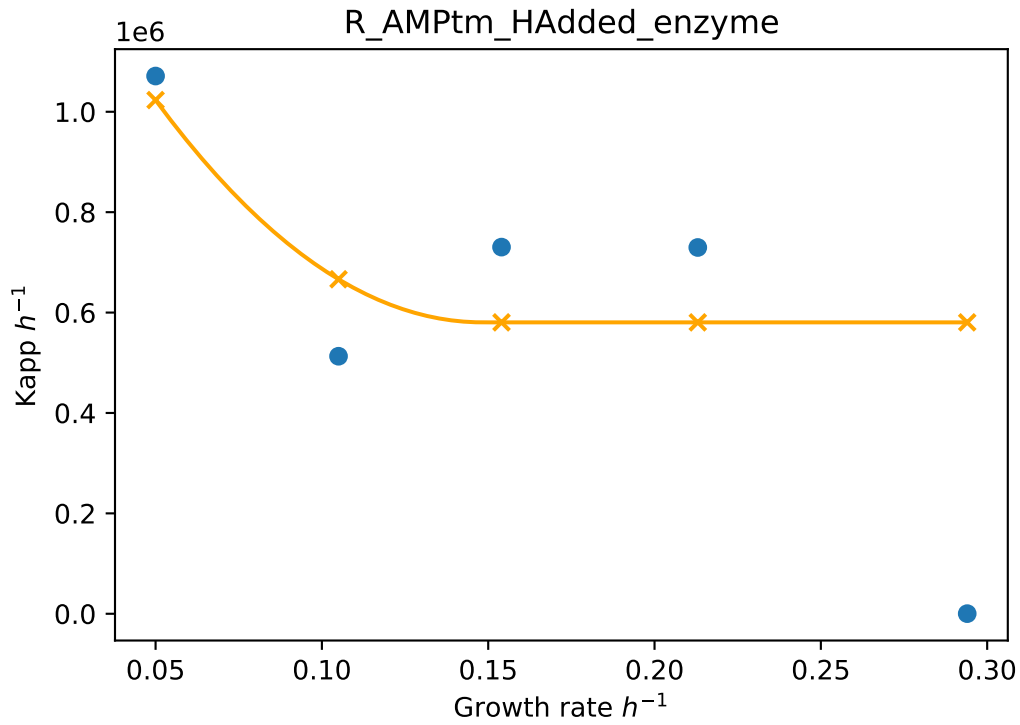


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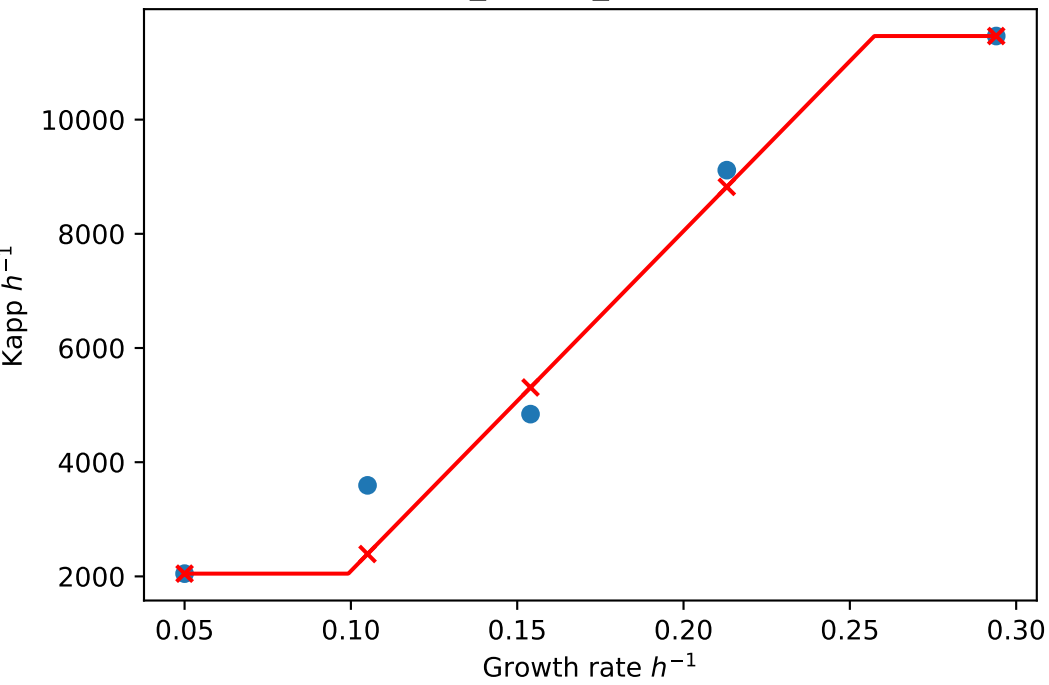


R_ALDD2ym_duplicate_2_enzyme

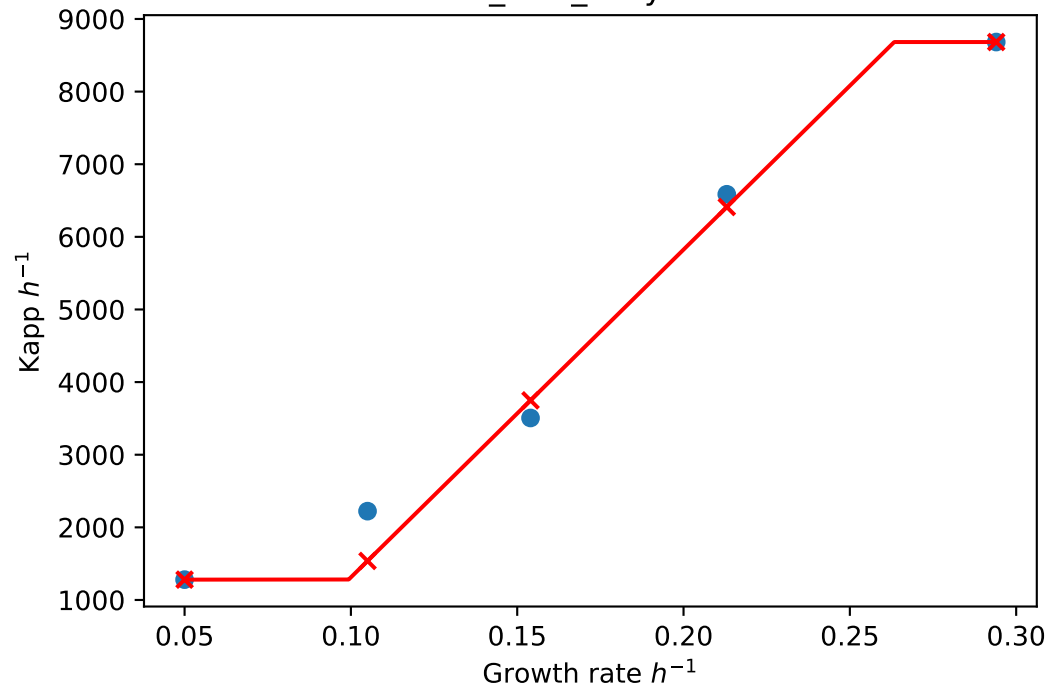




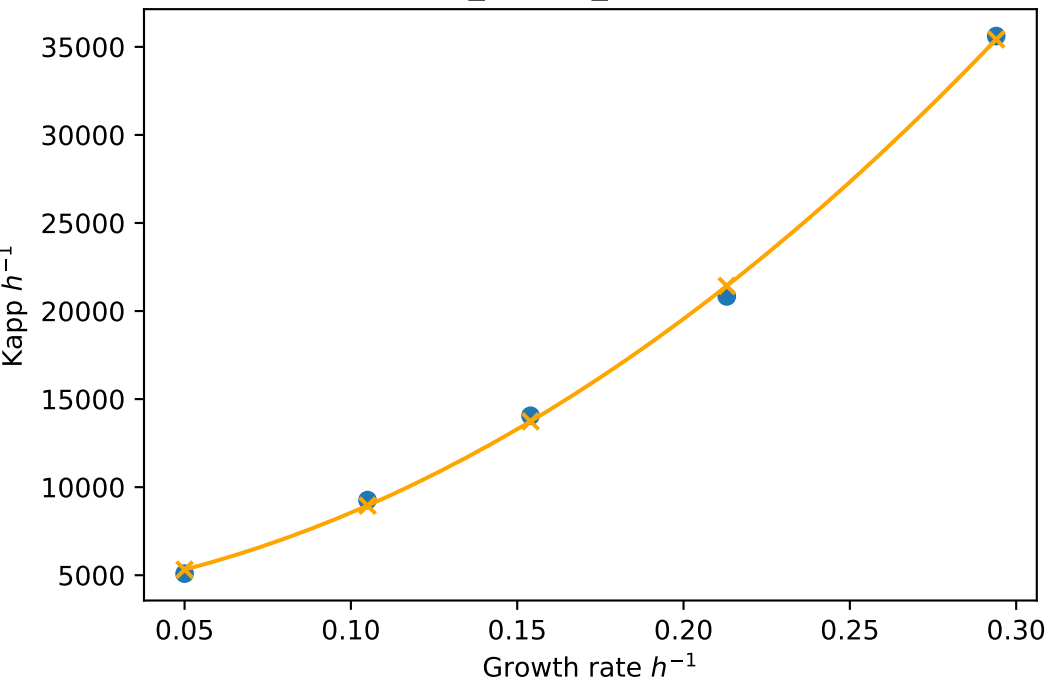
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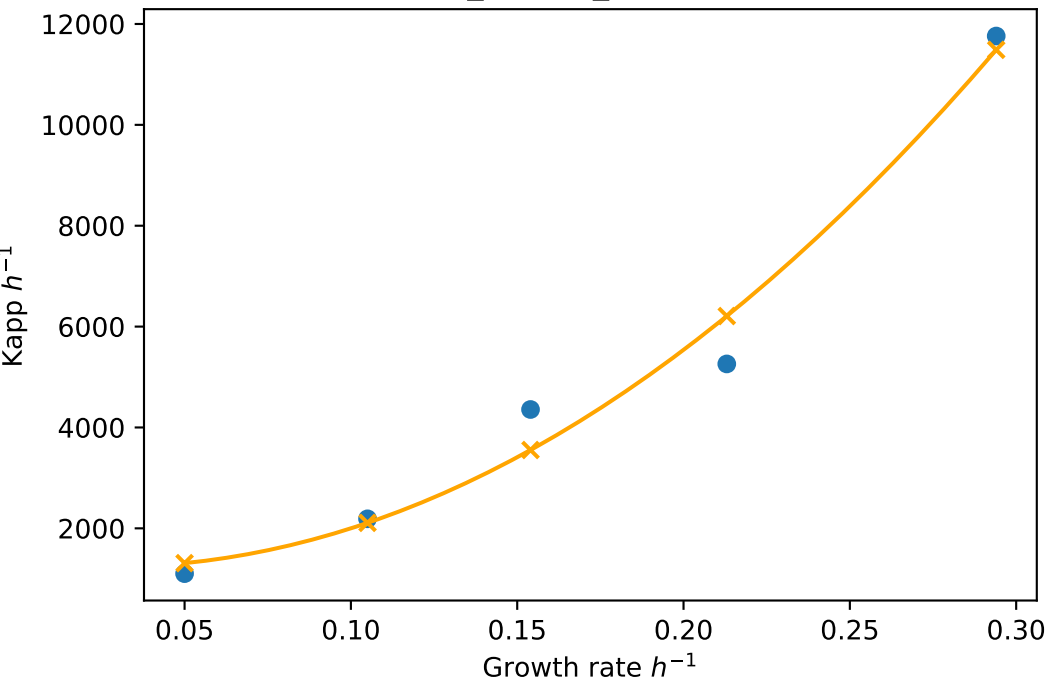
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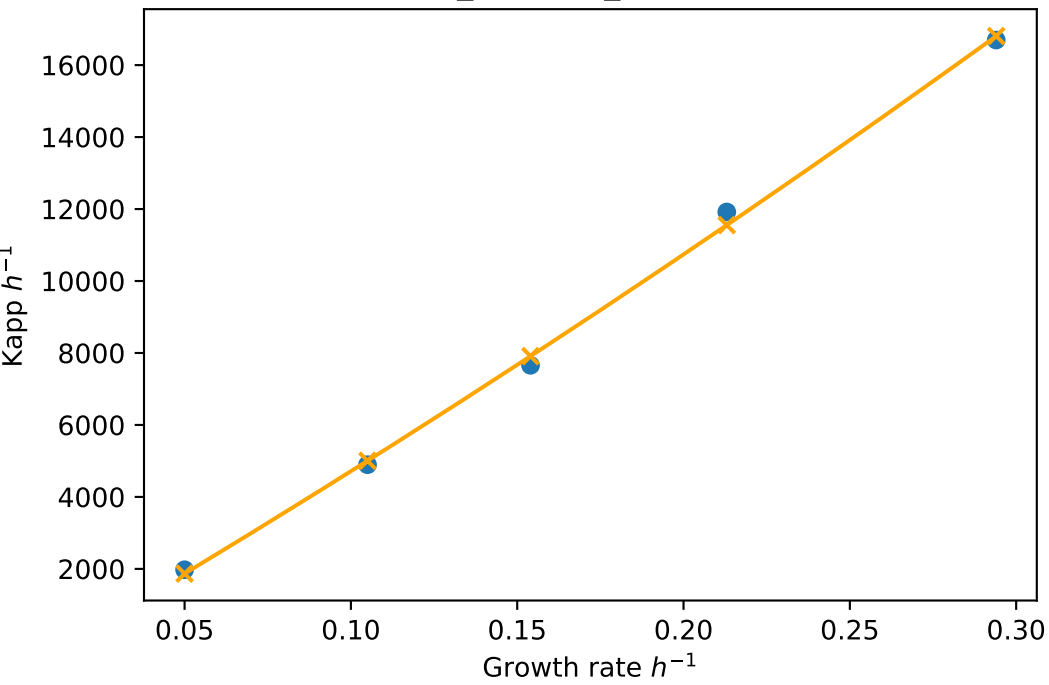
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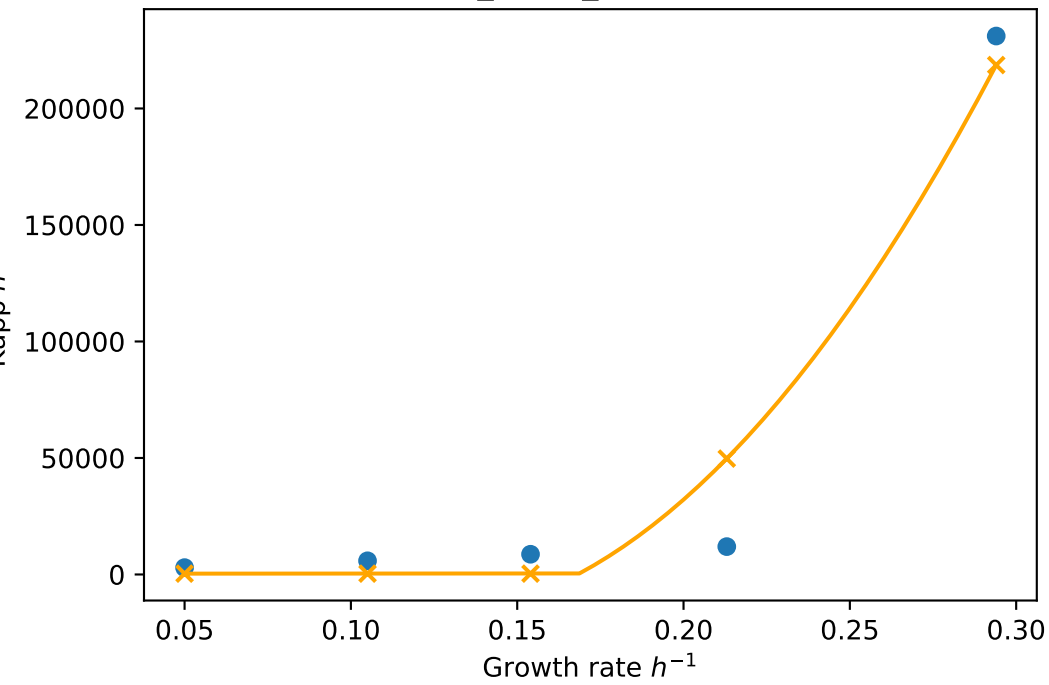
R_ARGSS_enzyme



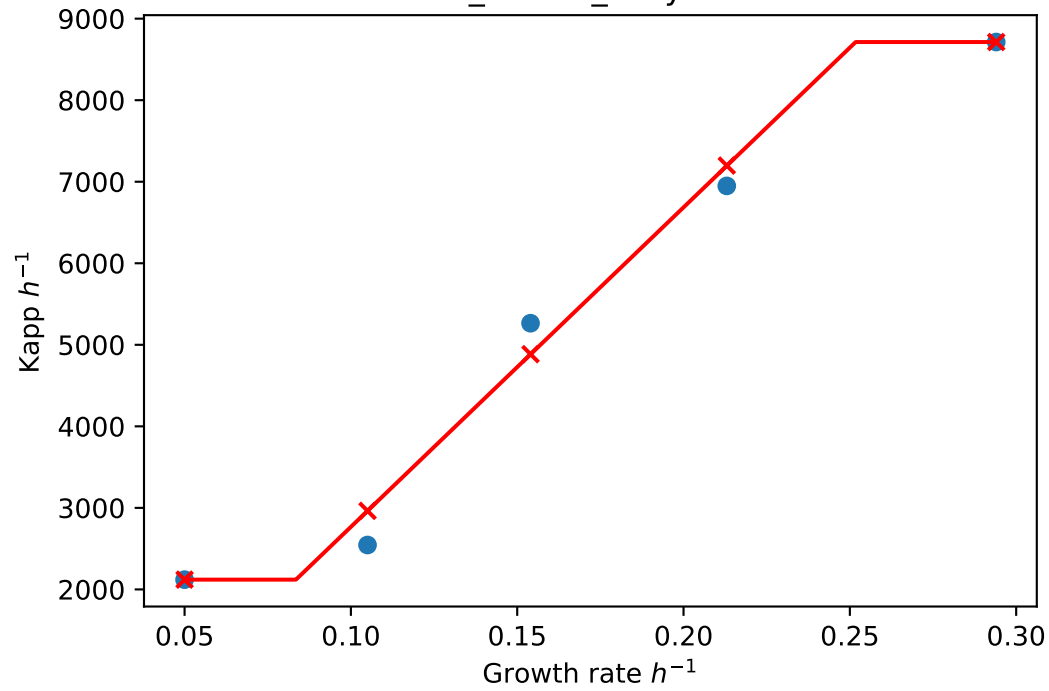
R_ARGTRS_enzyme



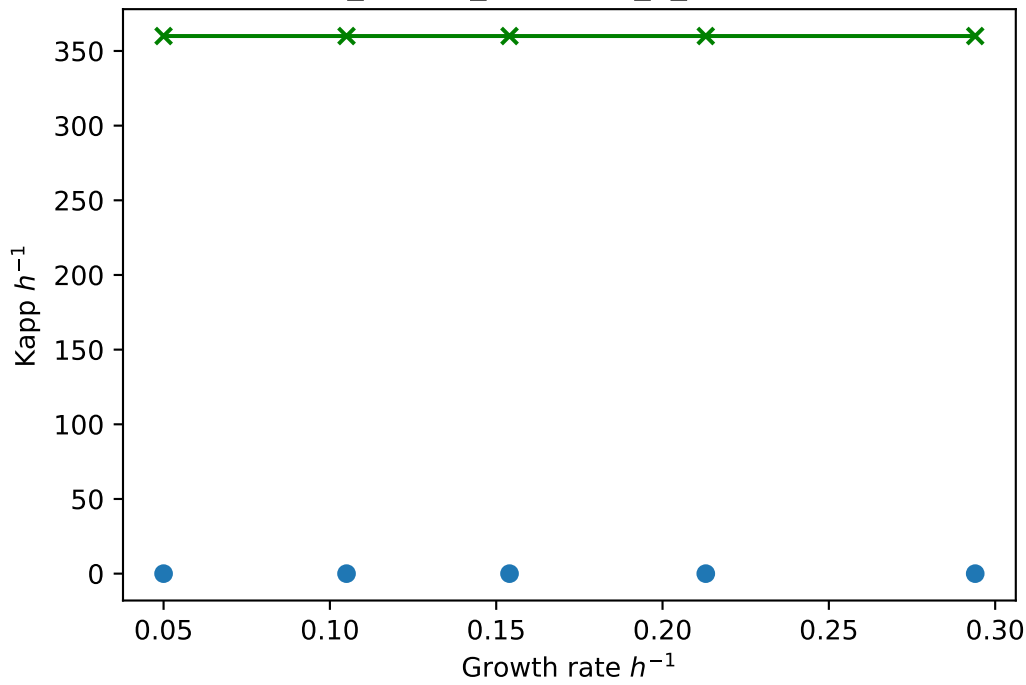
R_ASAD_enzyme



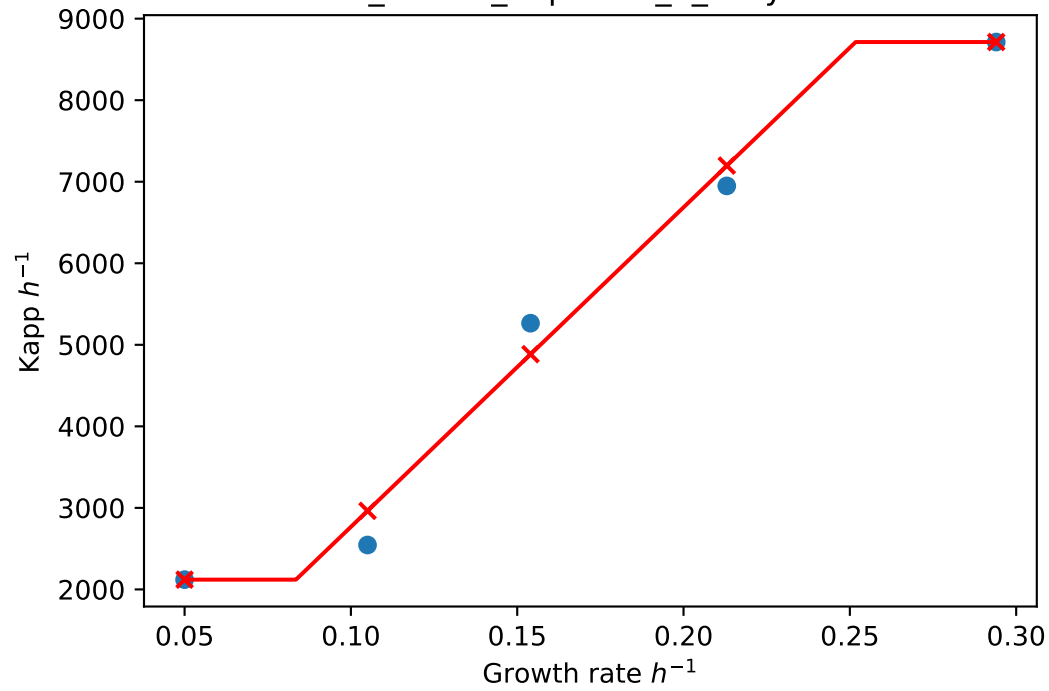
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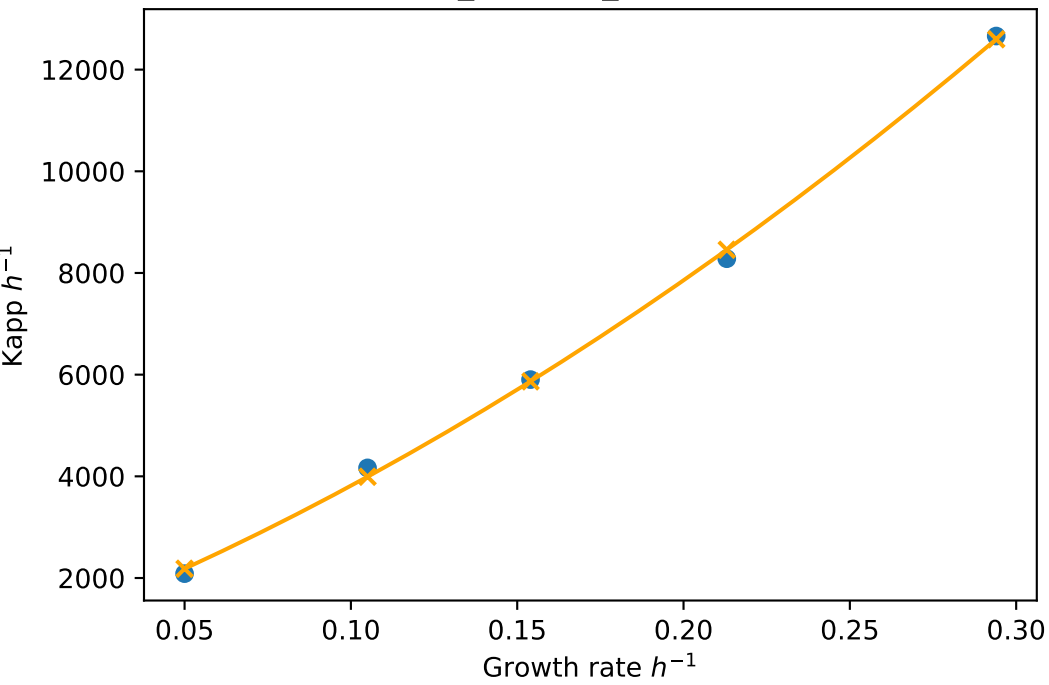
R_ASNS1_duplicate_2_enzyme



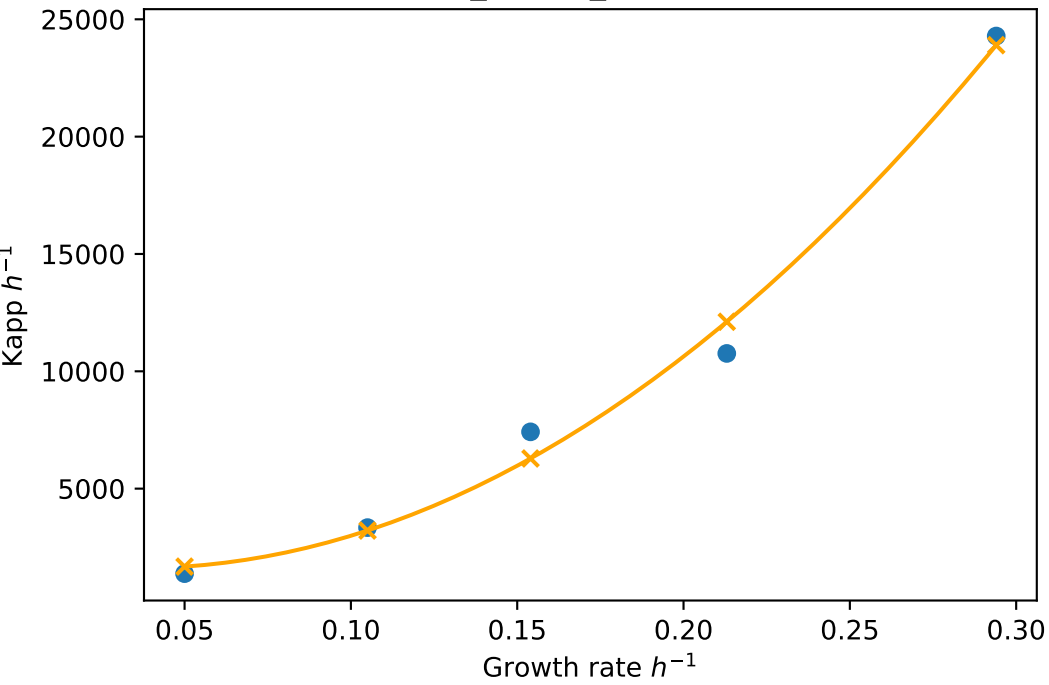
R_ASNS1_duplicate_3_enzyme



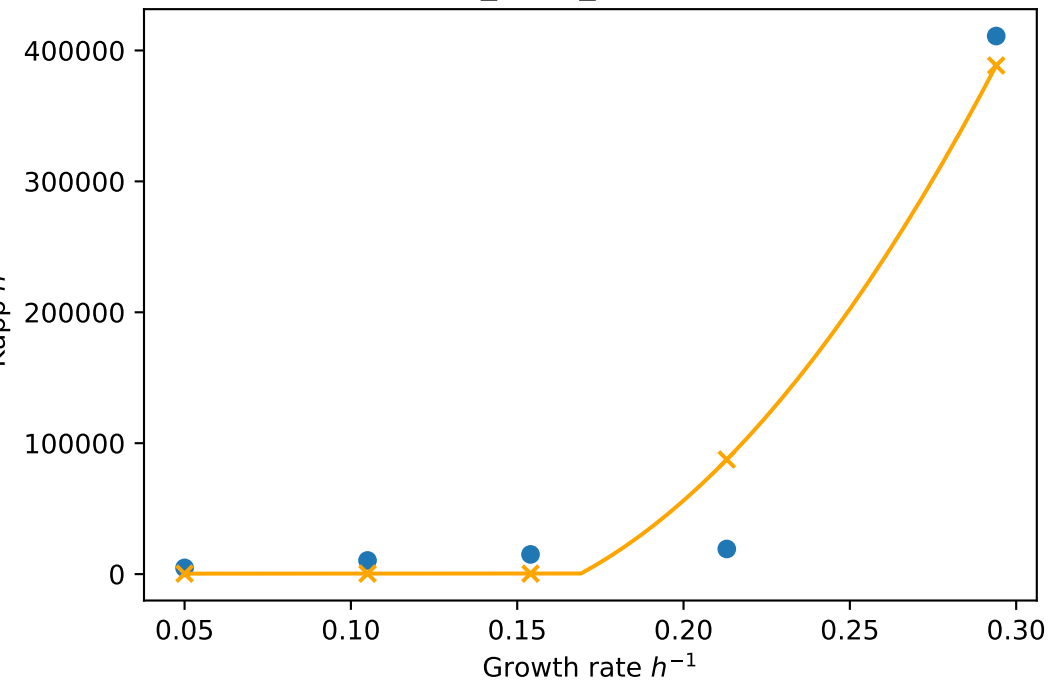
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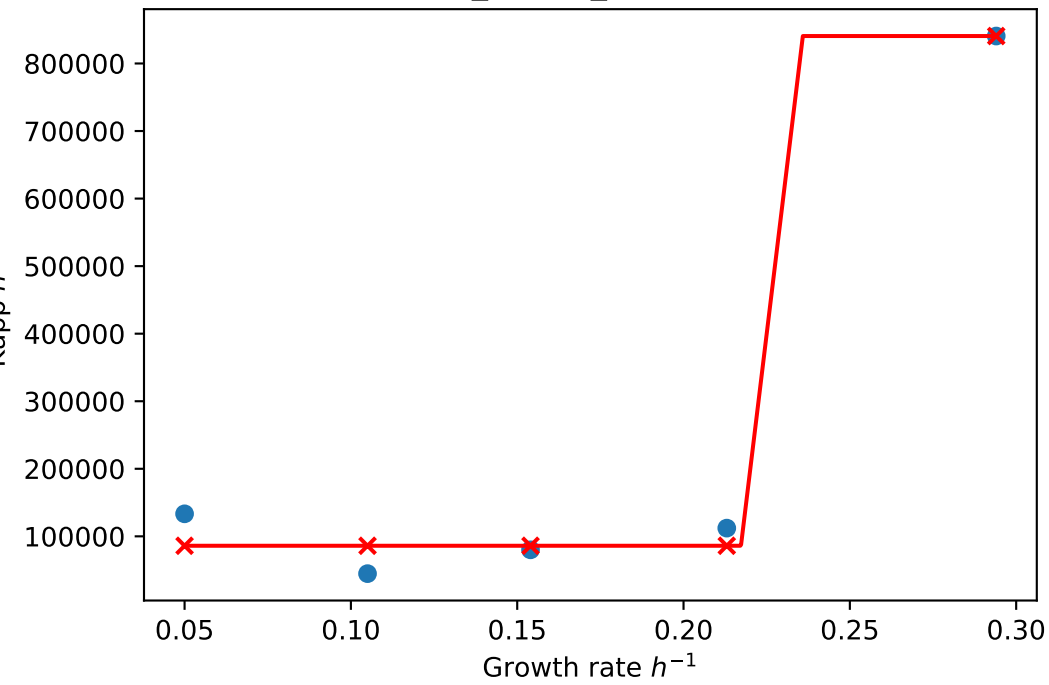
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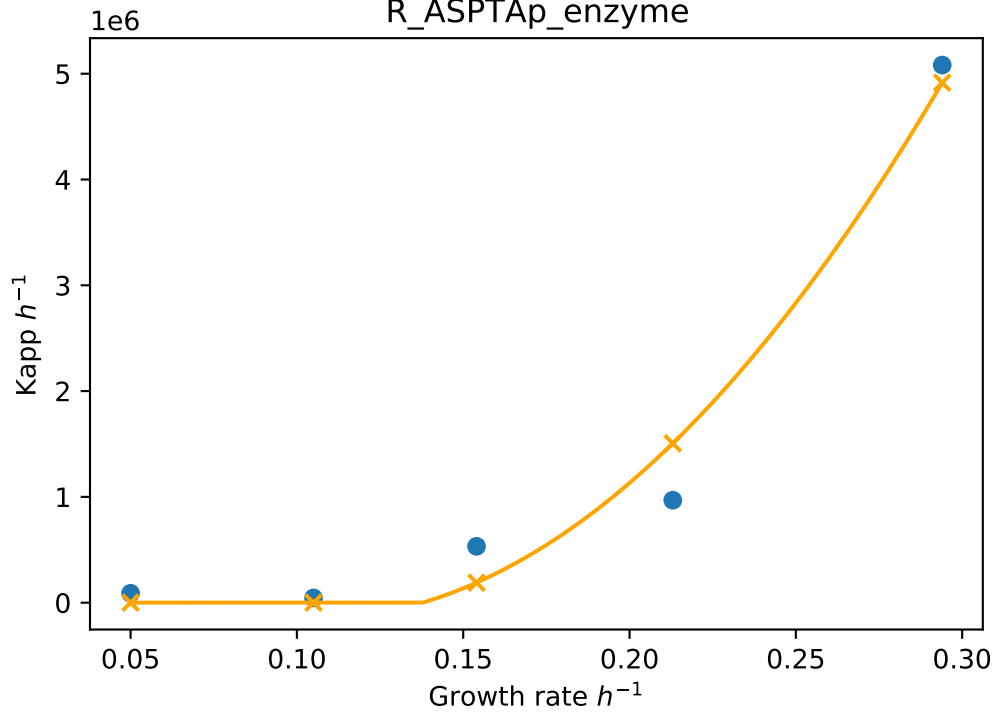
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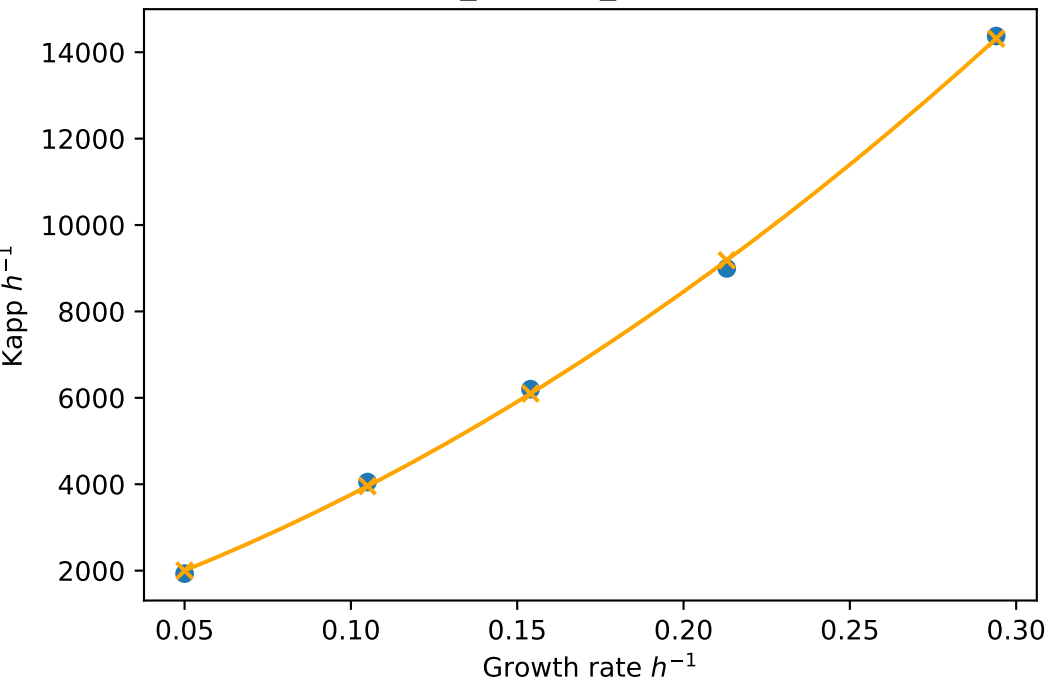
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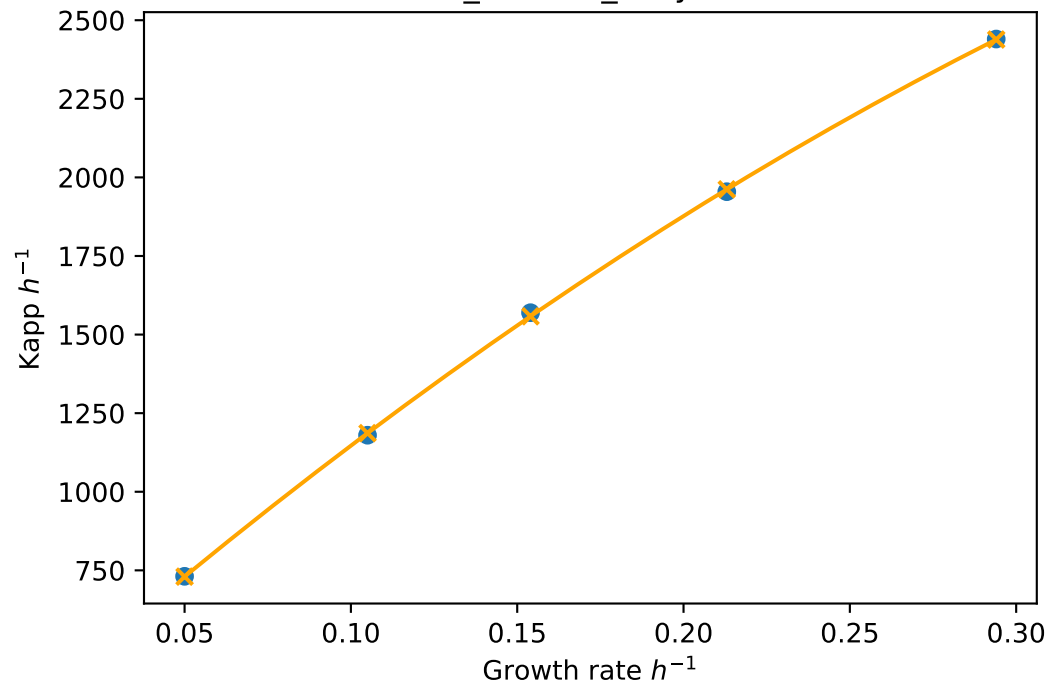
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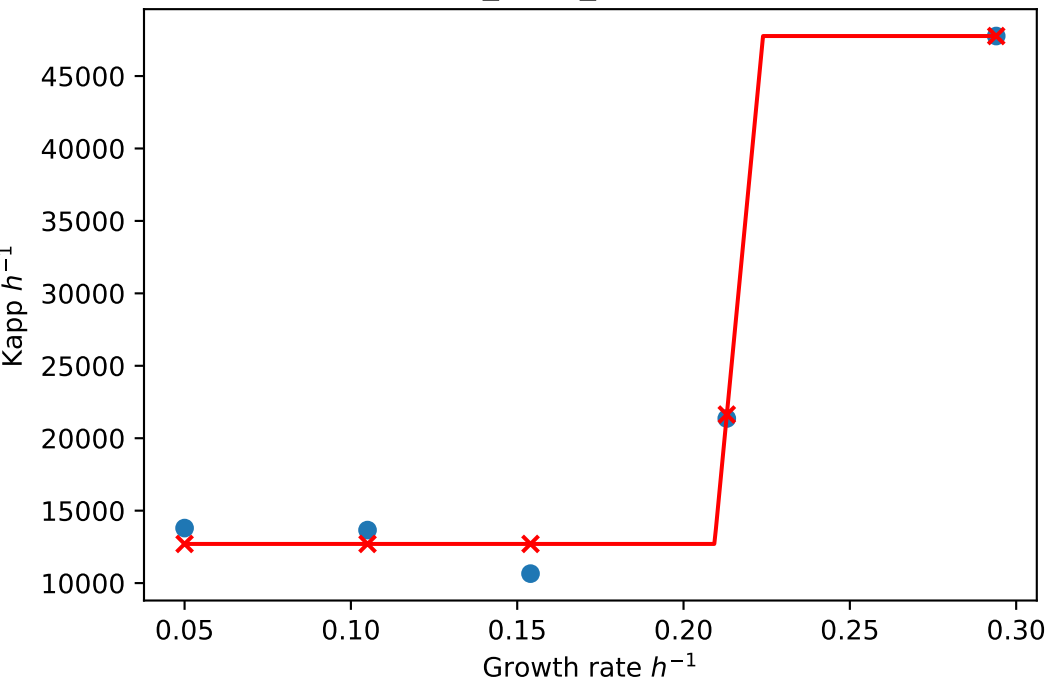
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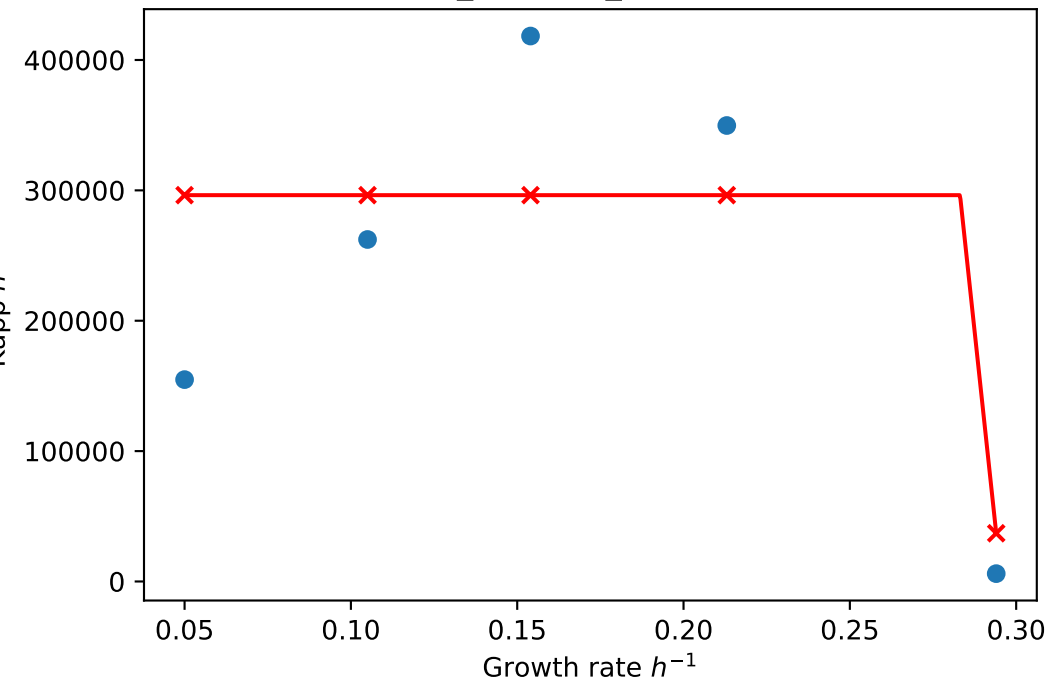
R_ATPPRT_enzyme



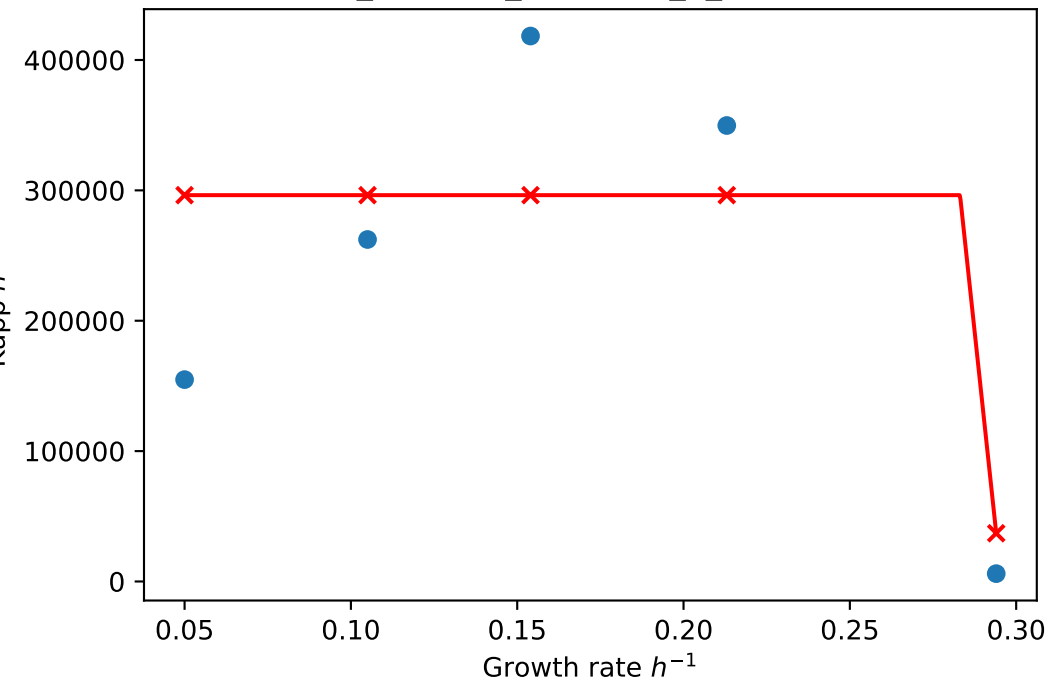
R_ATPS_enzyme



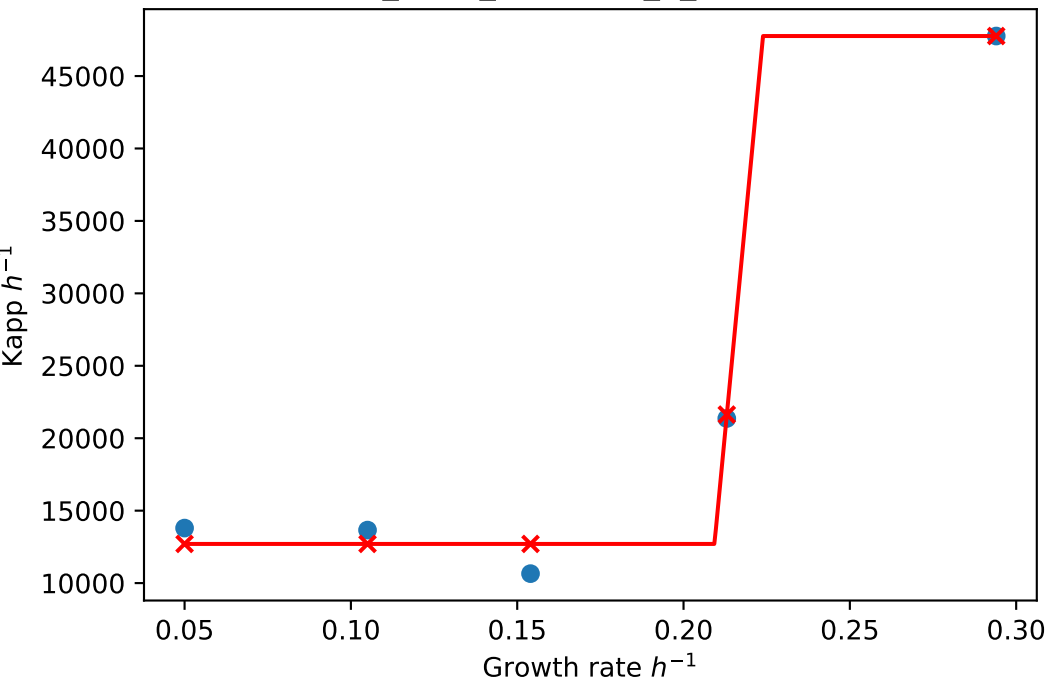
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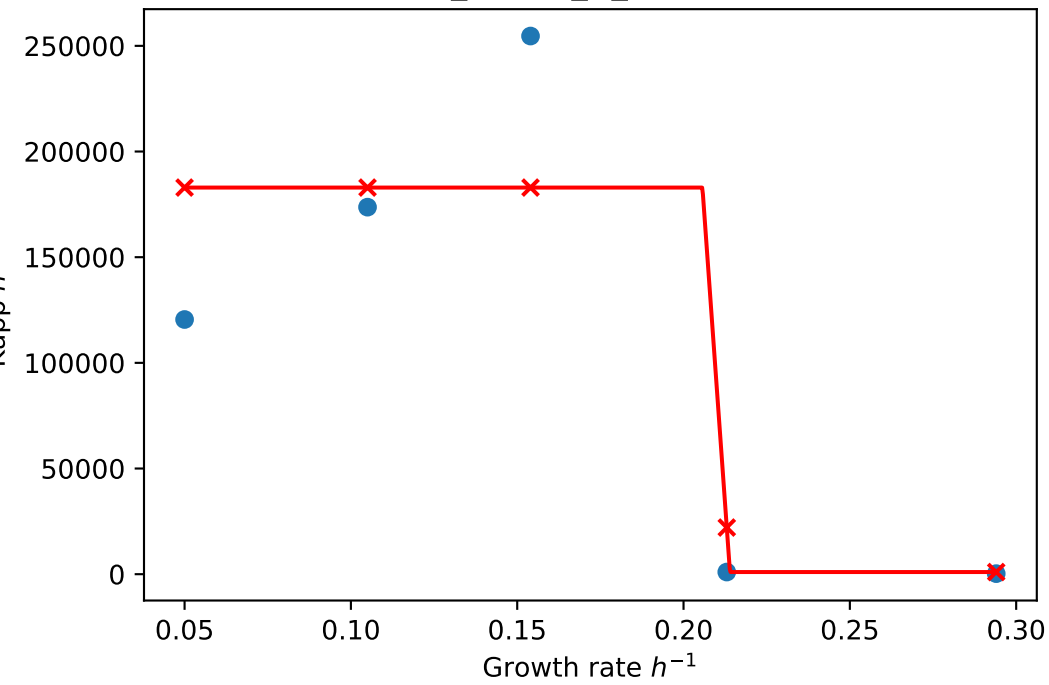
R_ATPS3m_duplicate_2_enzyme



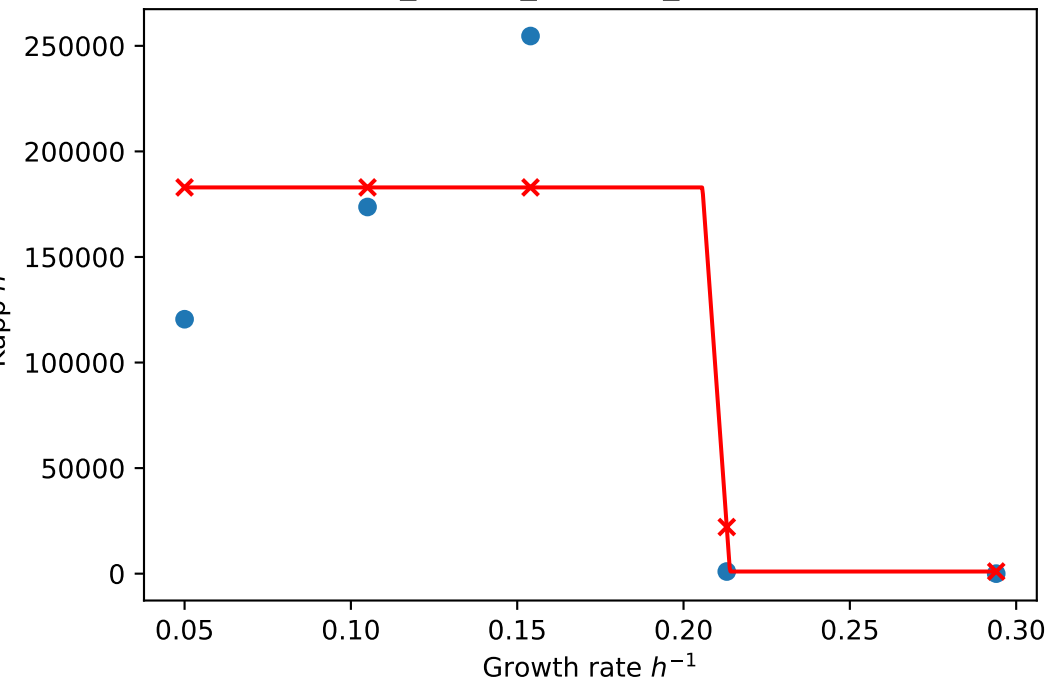
R_ATPS_duplicate_2_enzyme



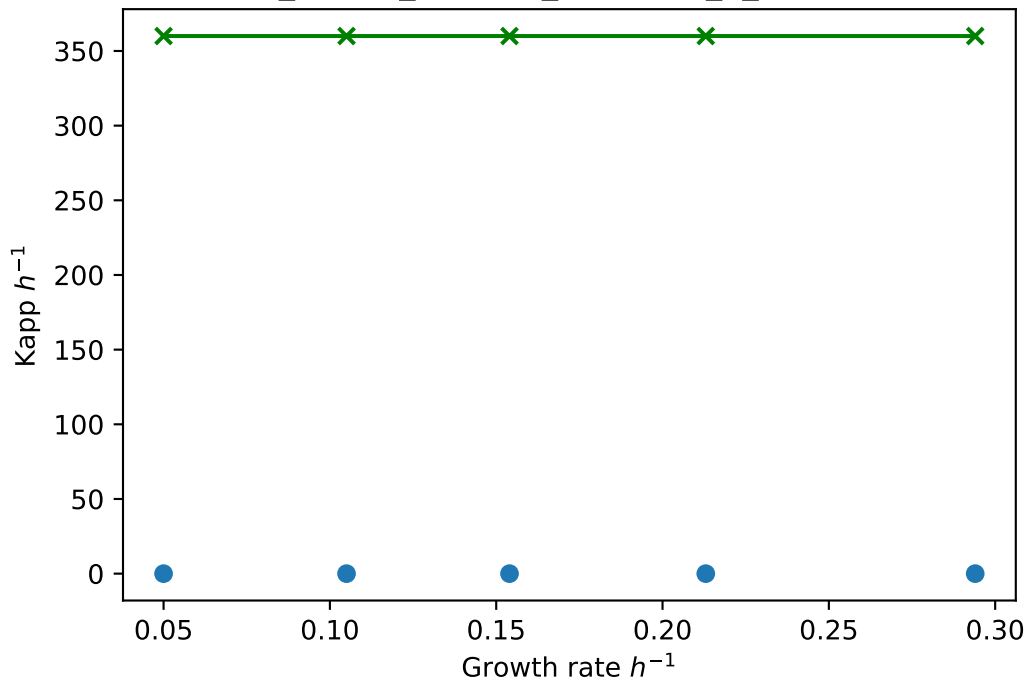
R_ATPtm_H_enzyme



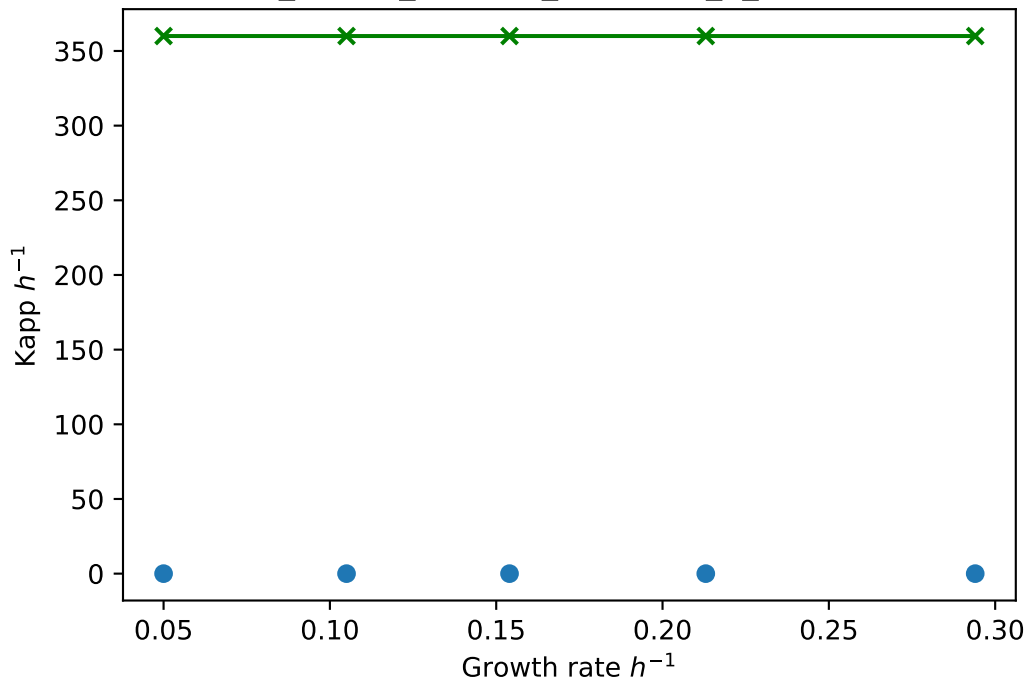
R_ATPtm_HAdded_enzyme



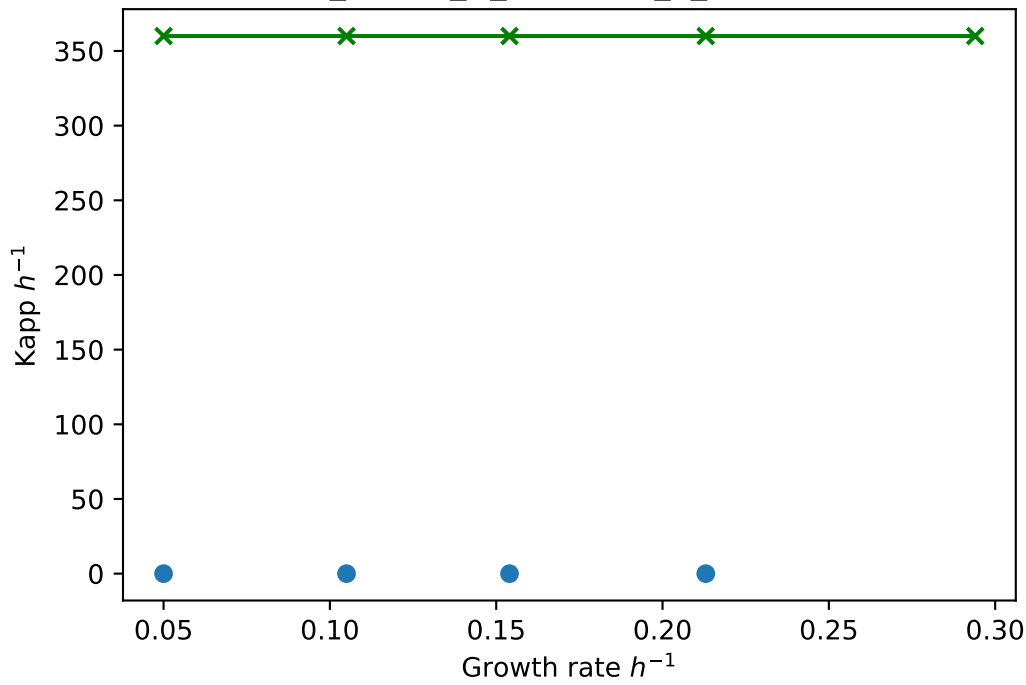
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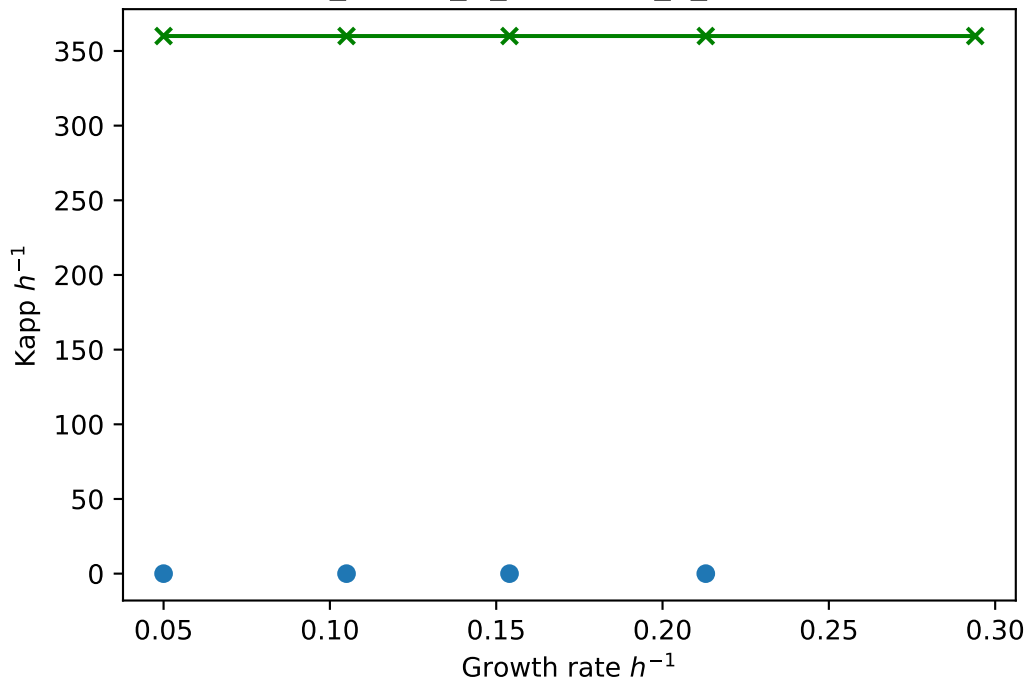
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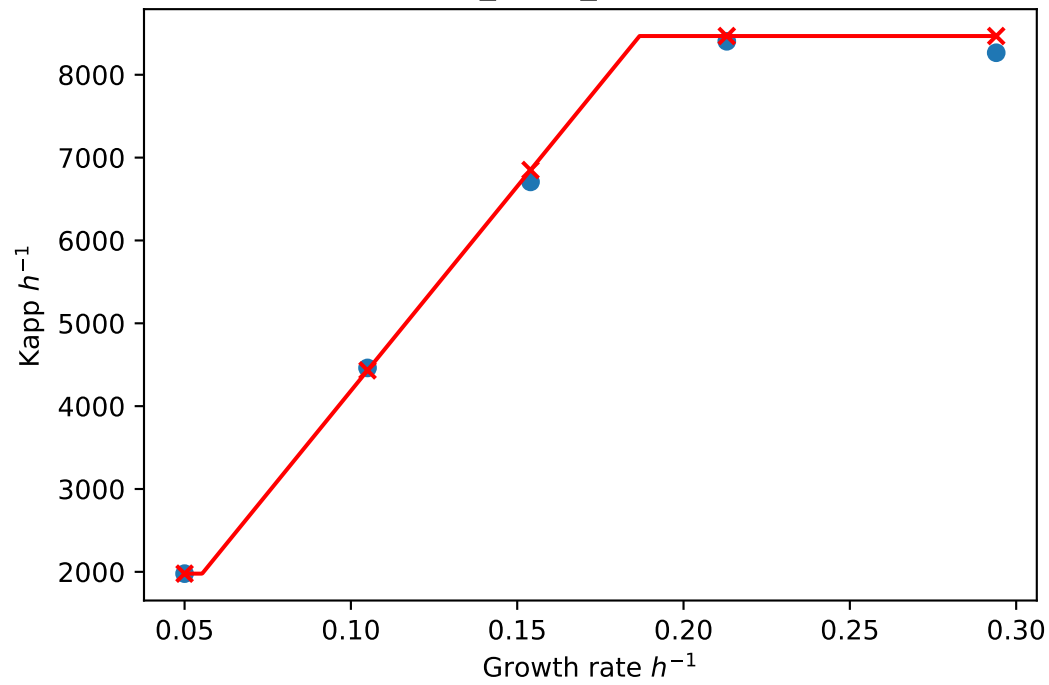
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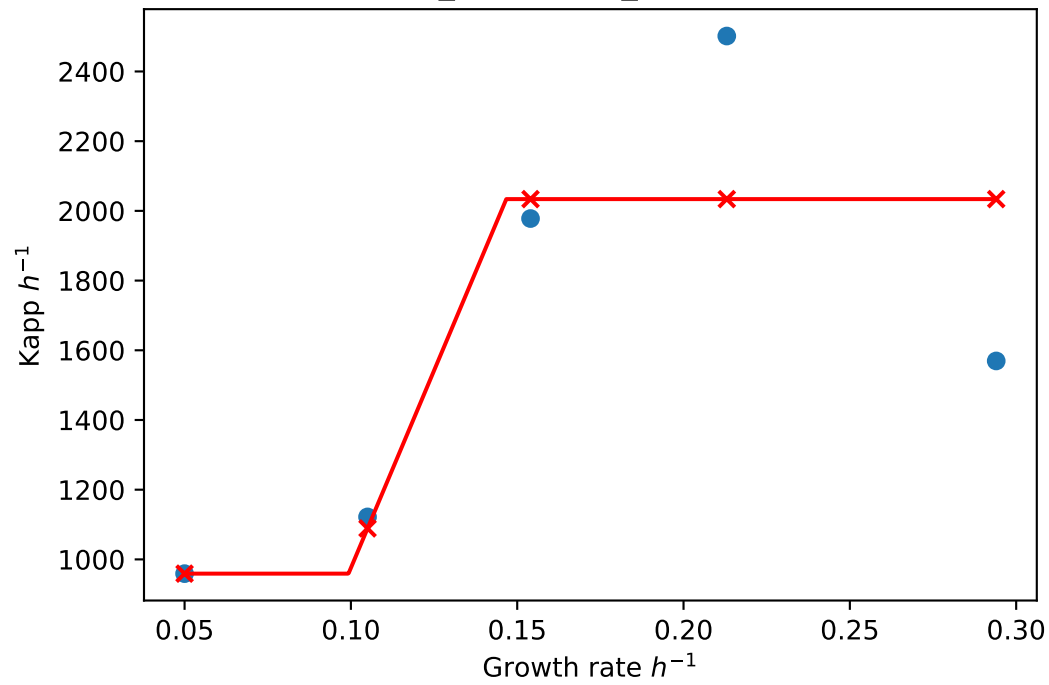
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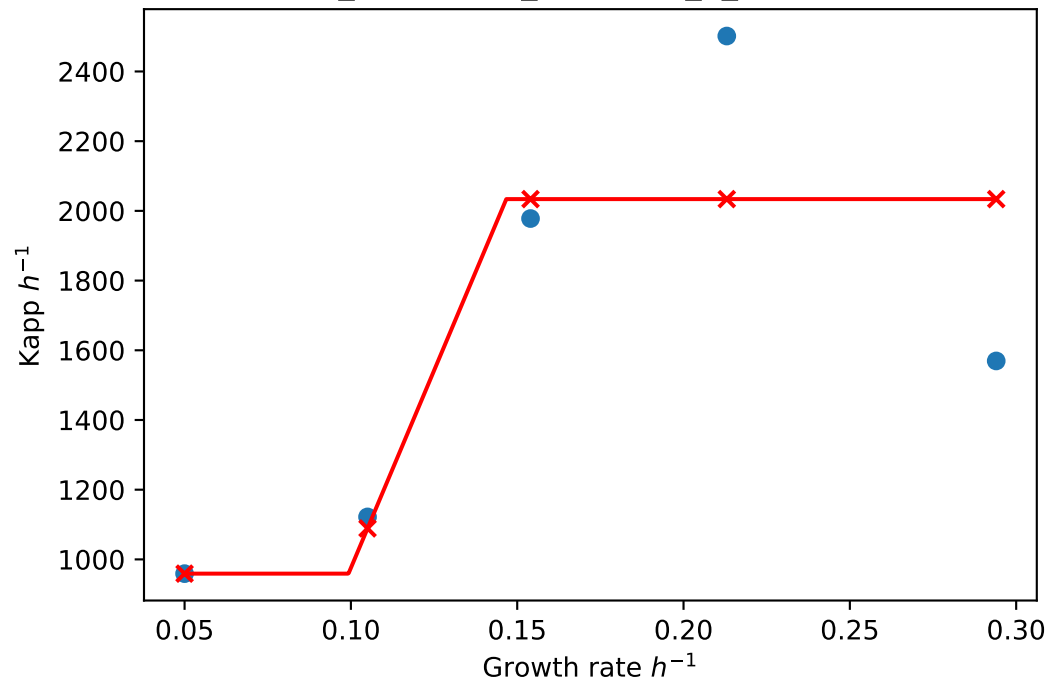
R_BPNT_enzyme



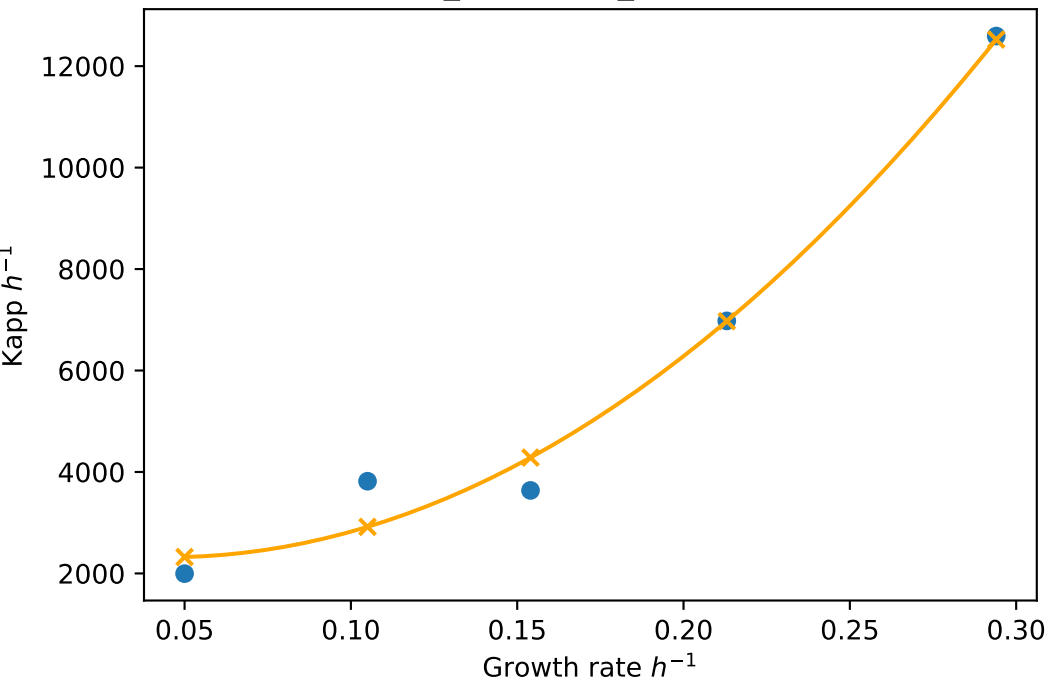
R_C22STDSx_enzyme



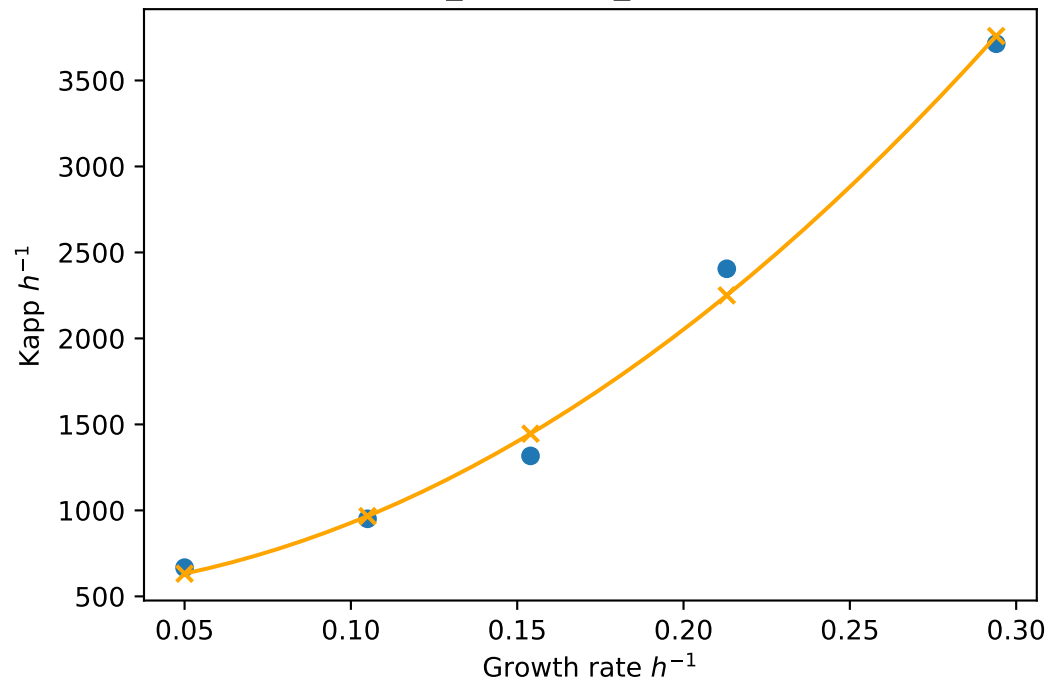
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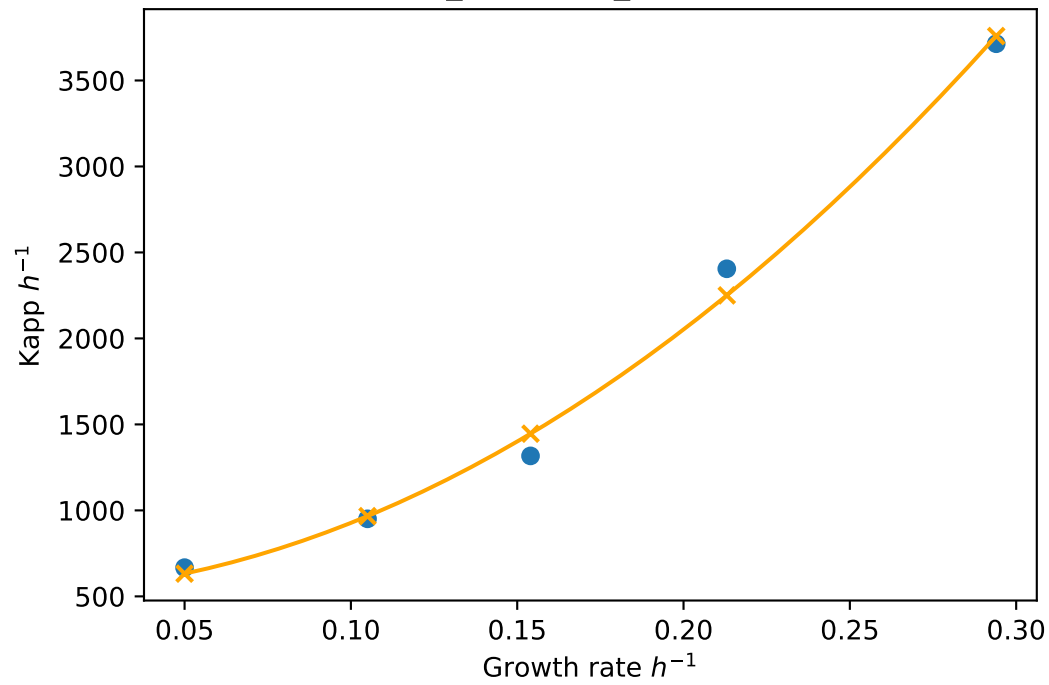
R_C24STRer_enzyme



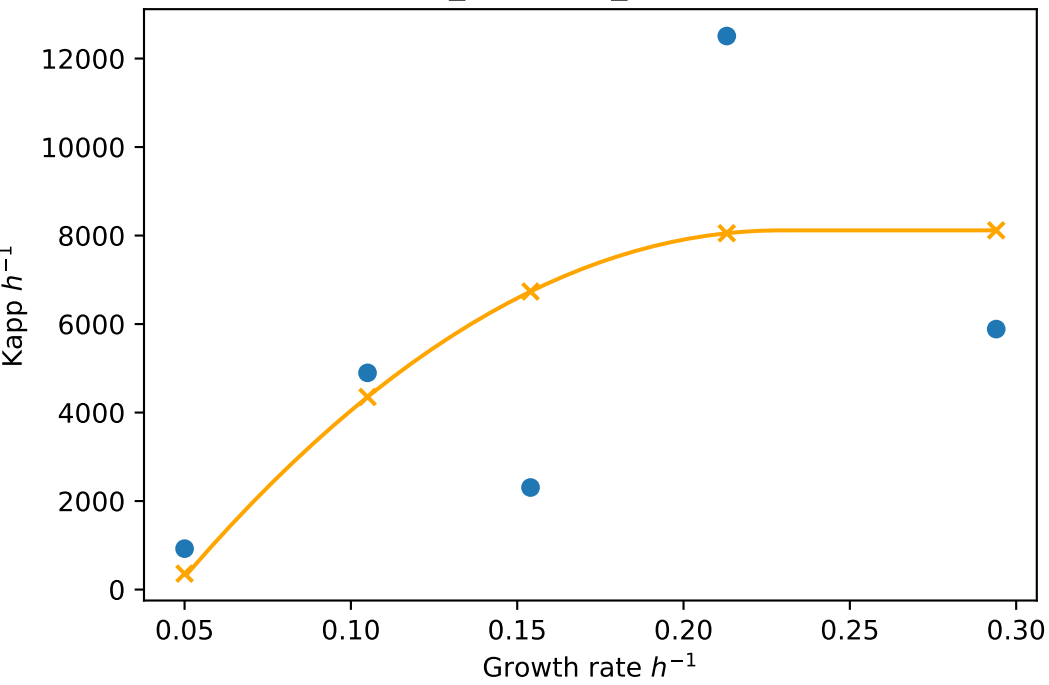
R_C3STDH1_enzyme



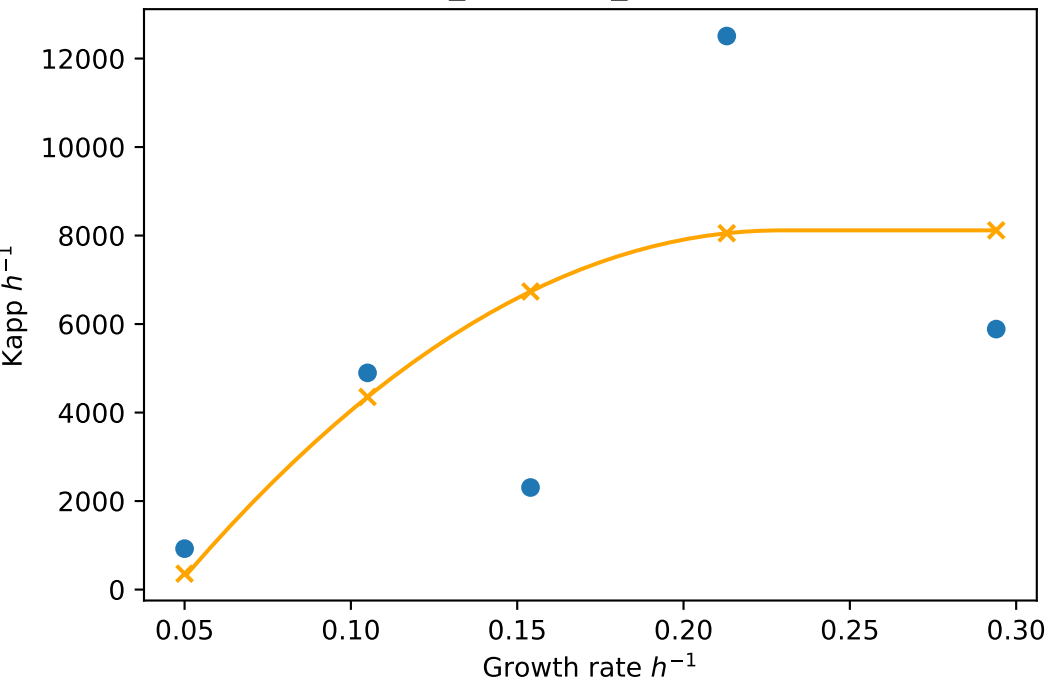
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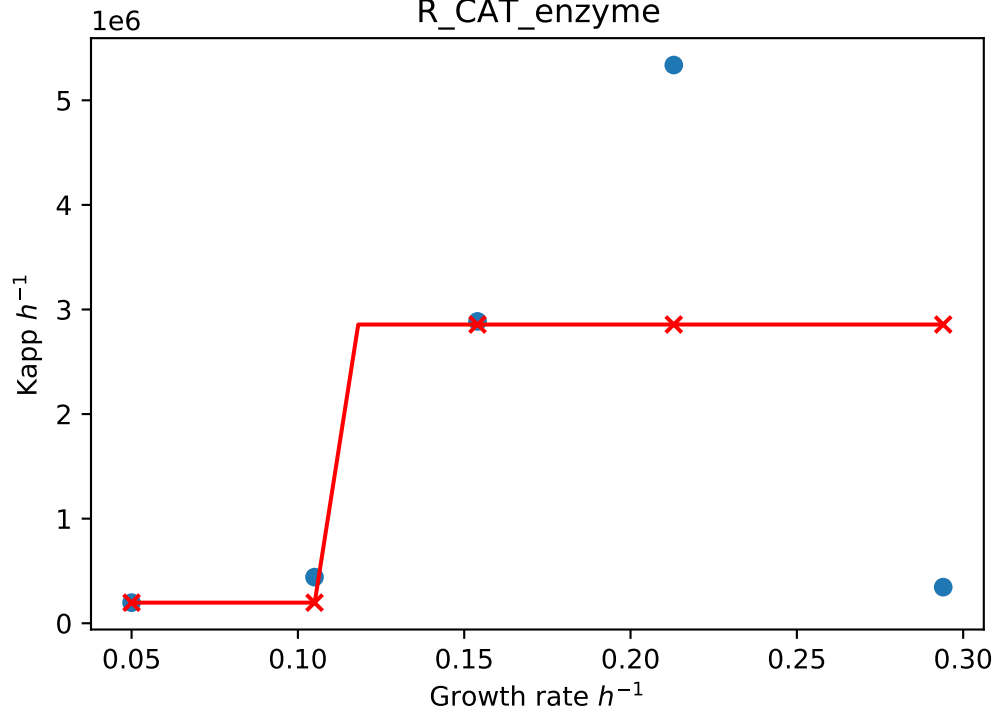
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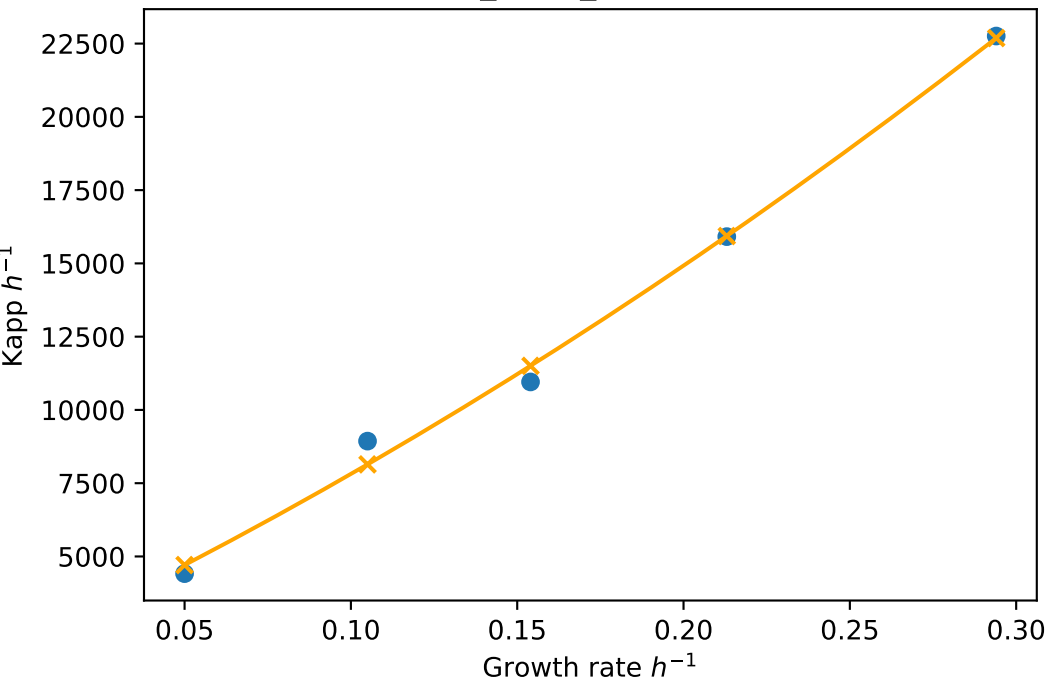
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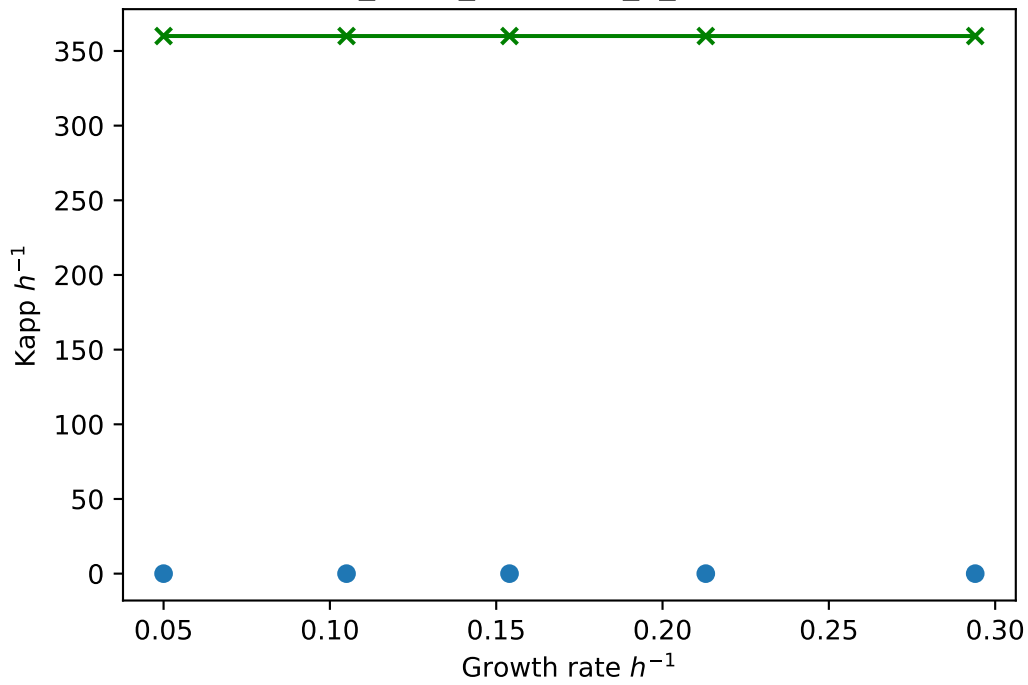
R_CAT_enzyme



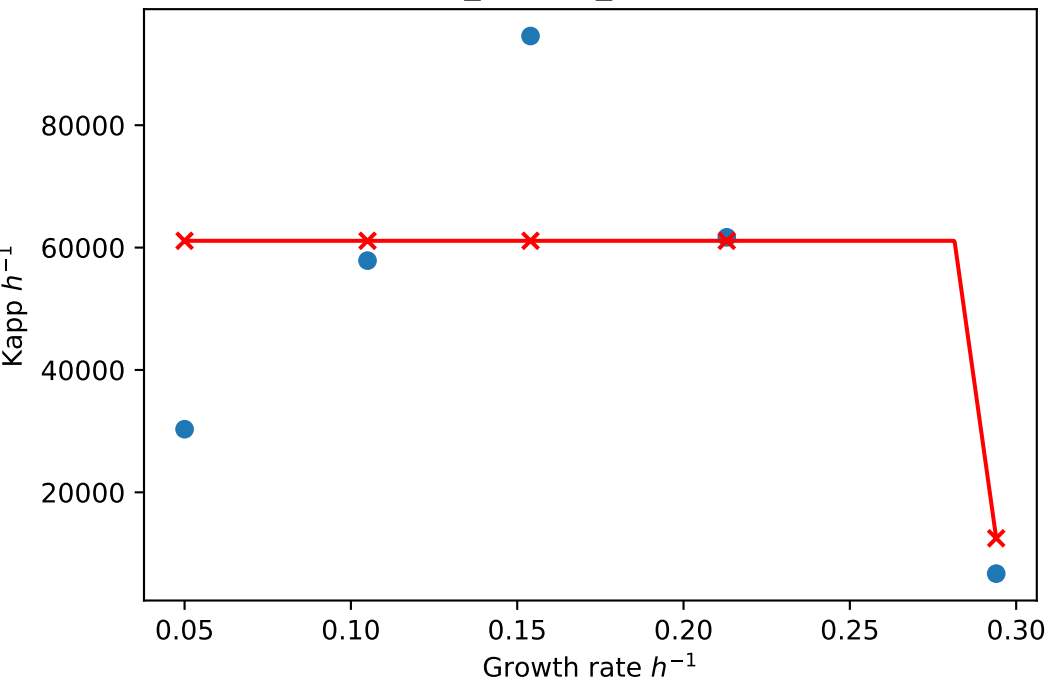
R_CBPS_enzyme



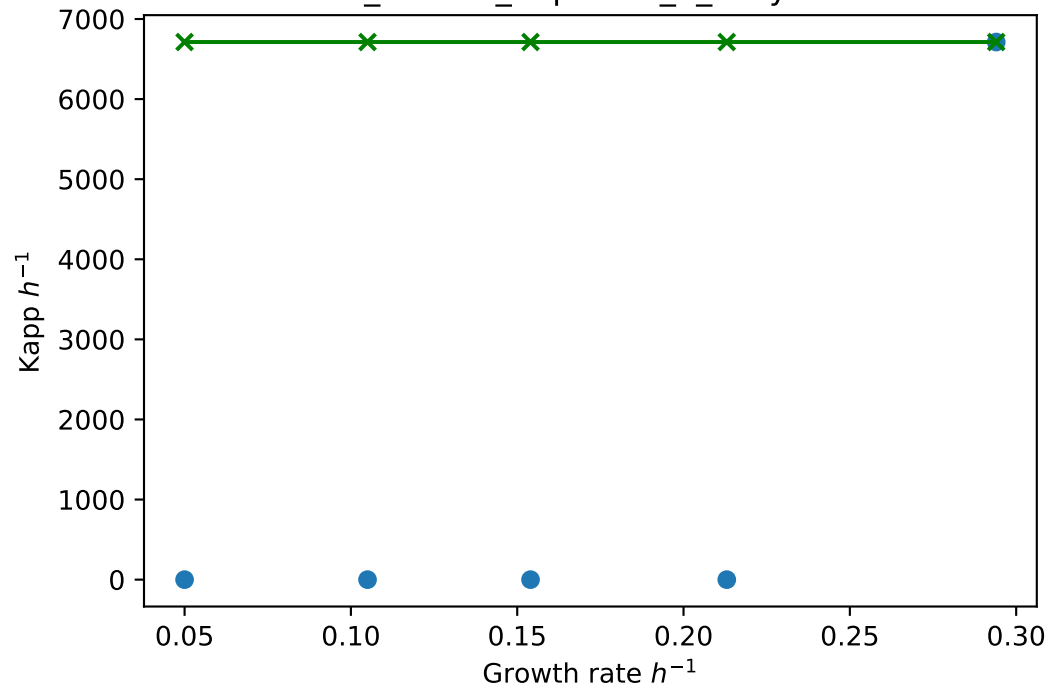
R_CBPS_duplicate_2_enzyme



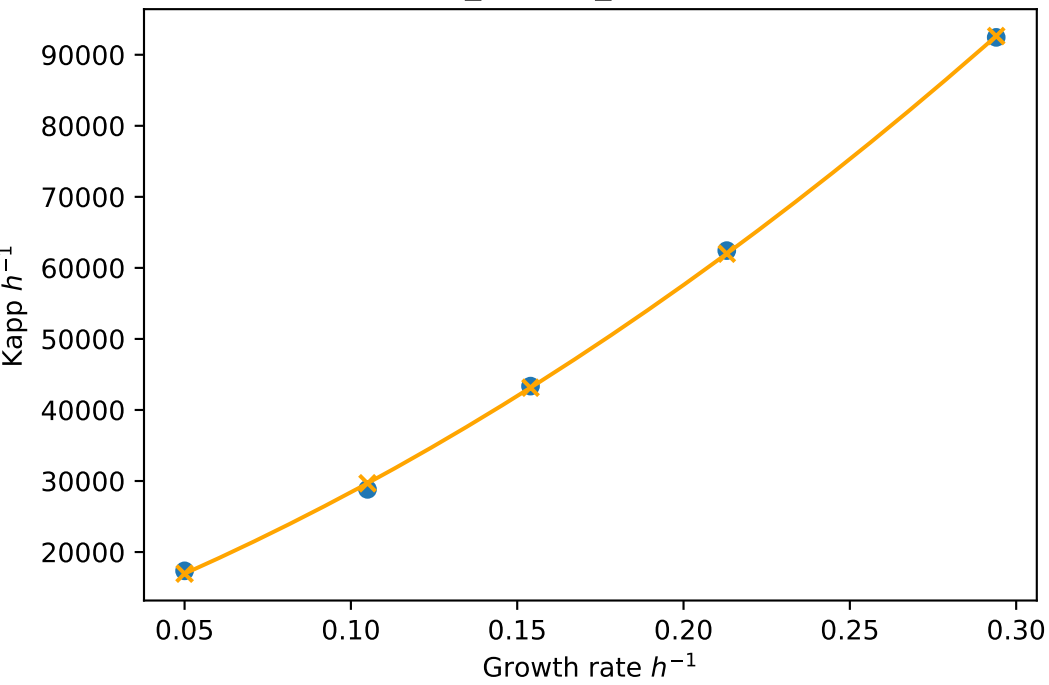
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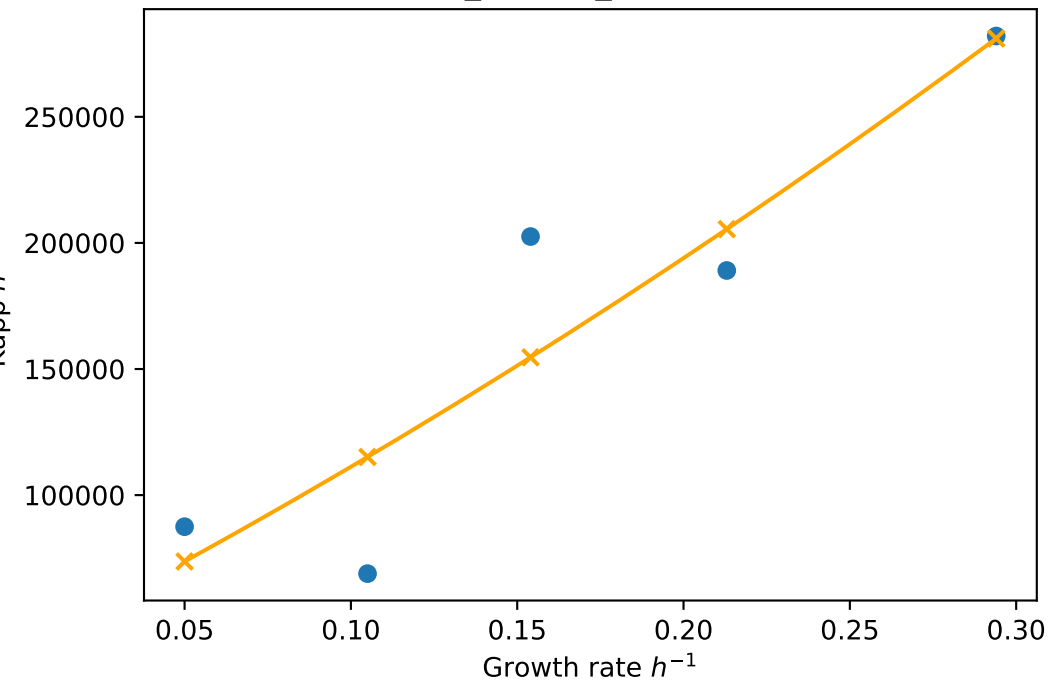
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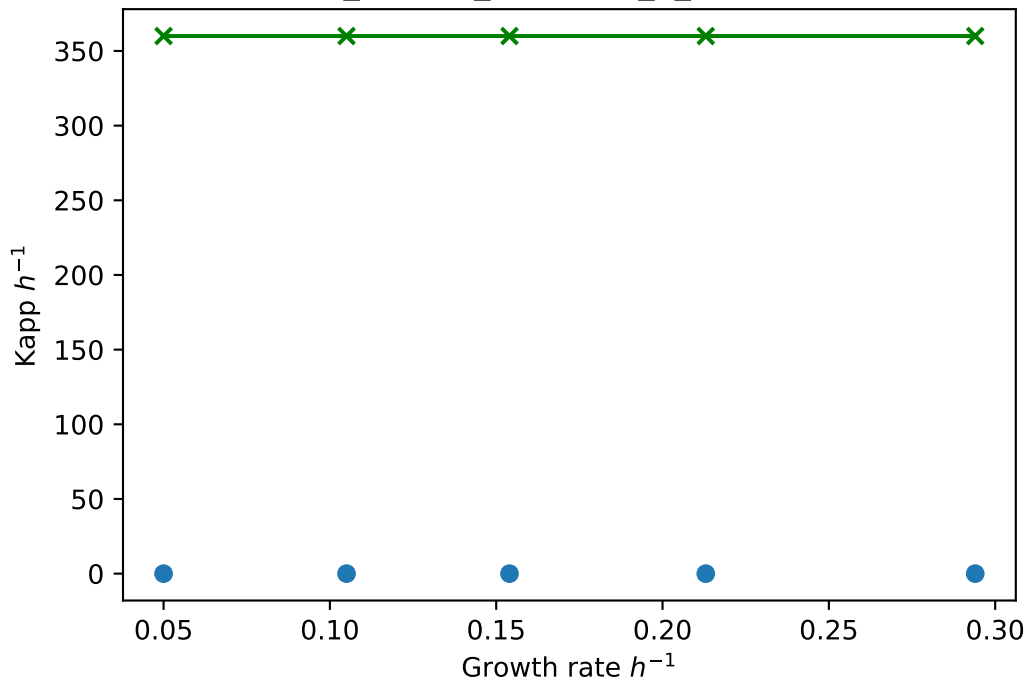
R_CHORS_enzyme



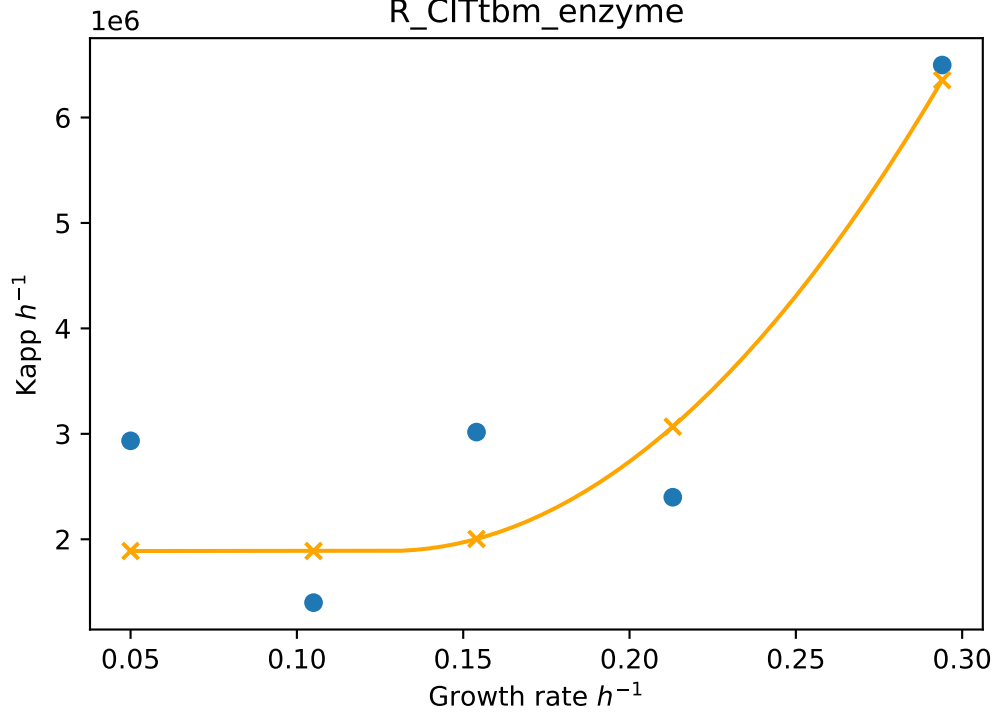
R_CITtam_enzyme



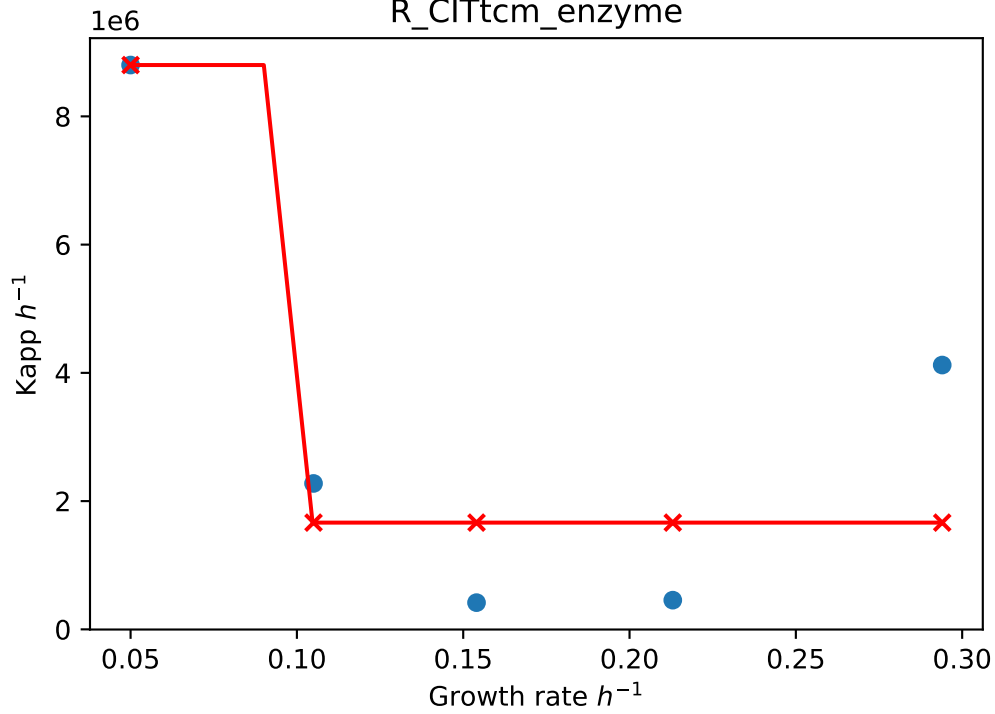
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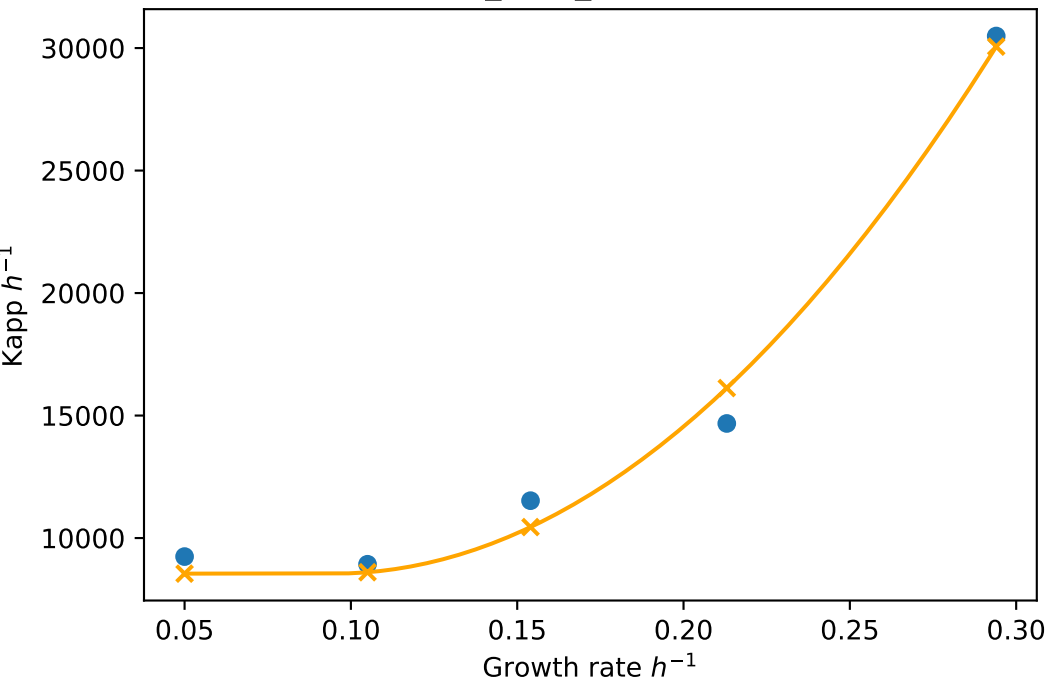
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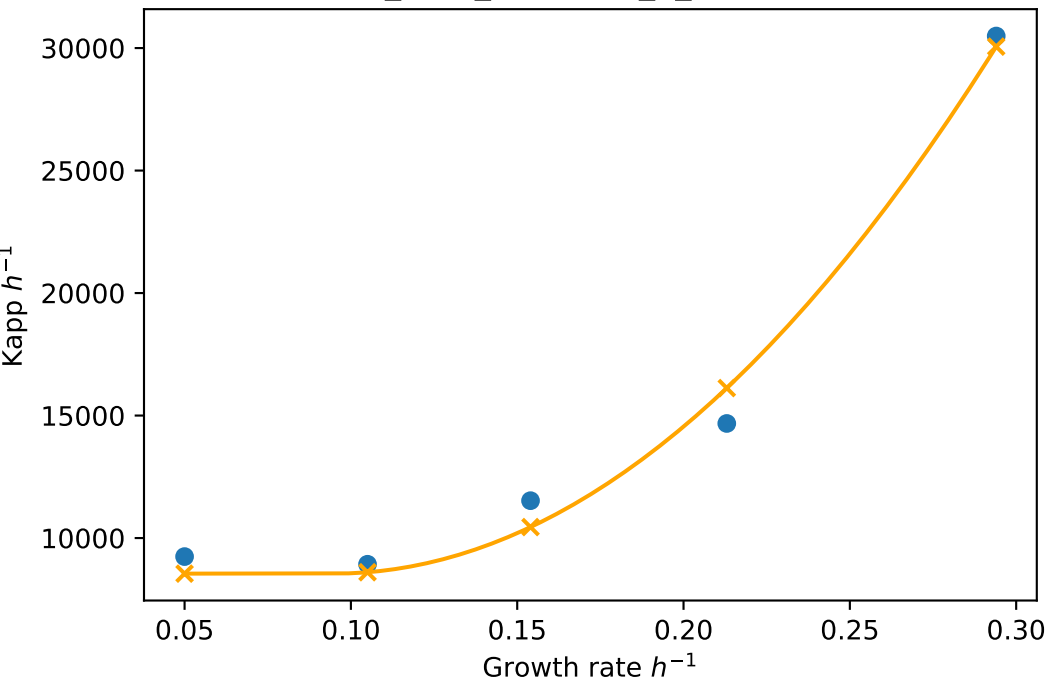
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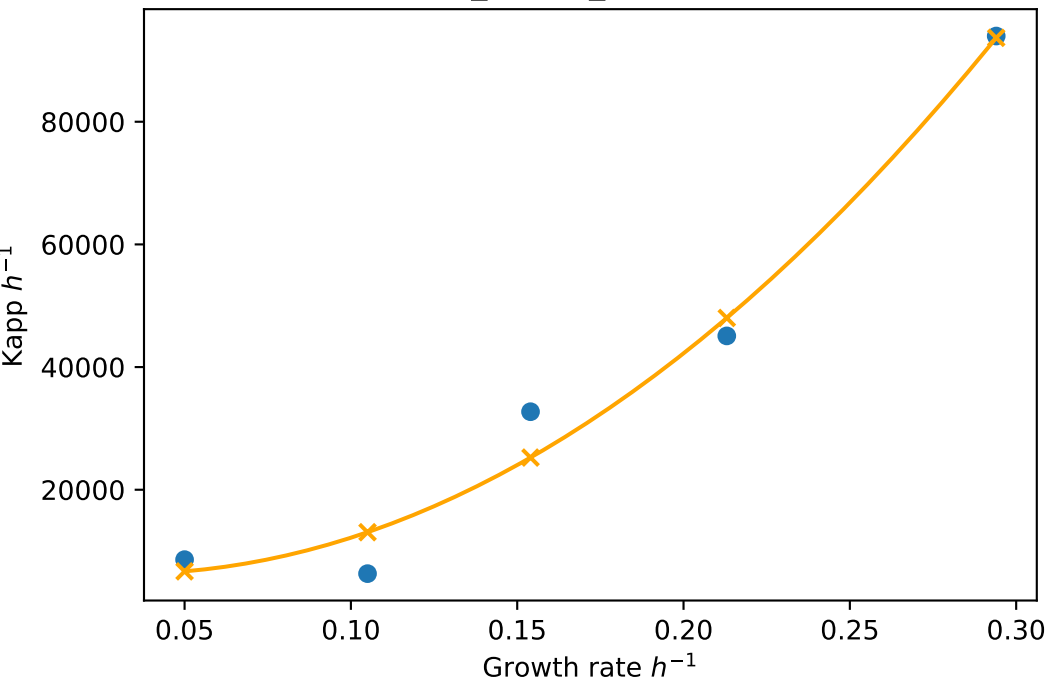
R_CSm_enzyme



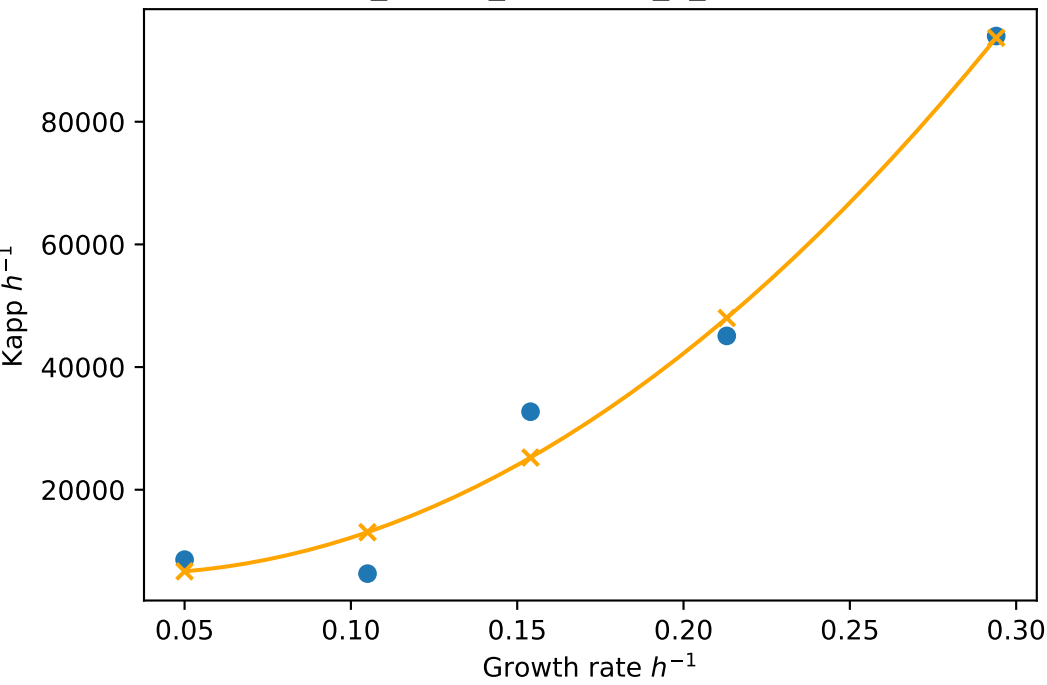
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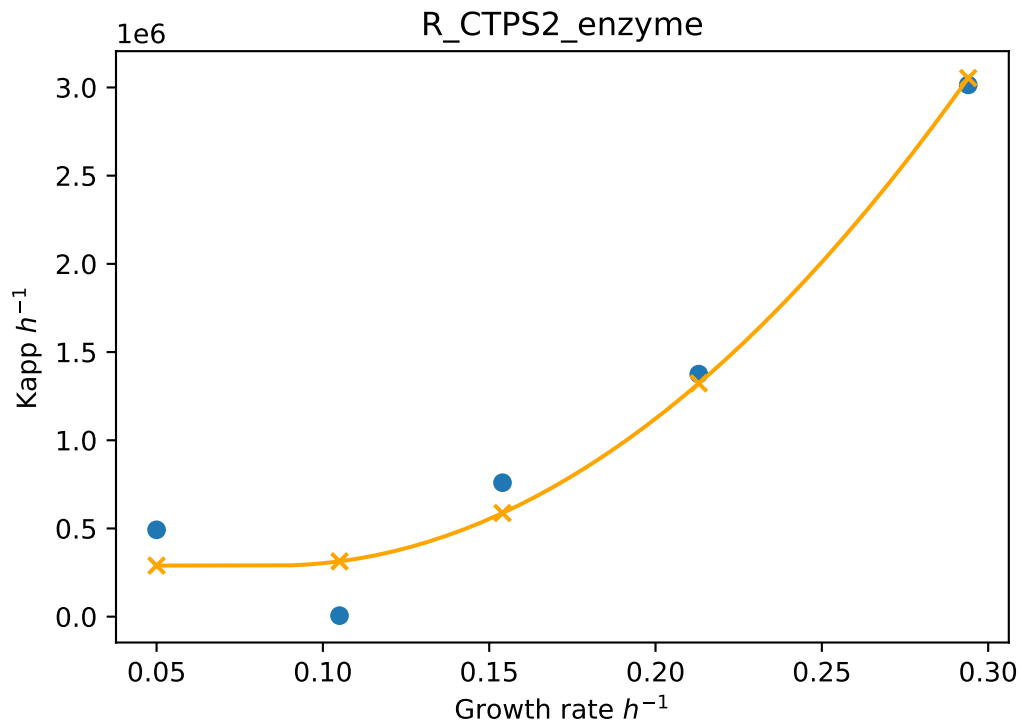


R_CTPS1_enzyme

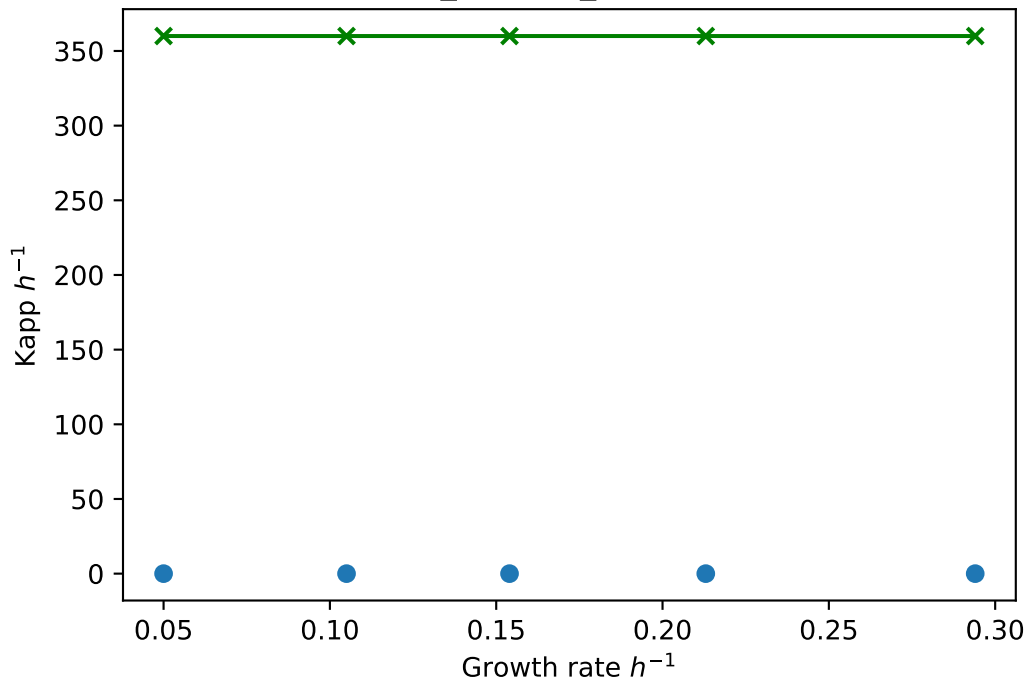


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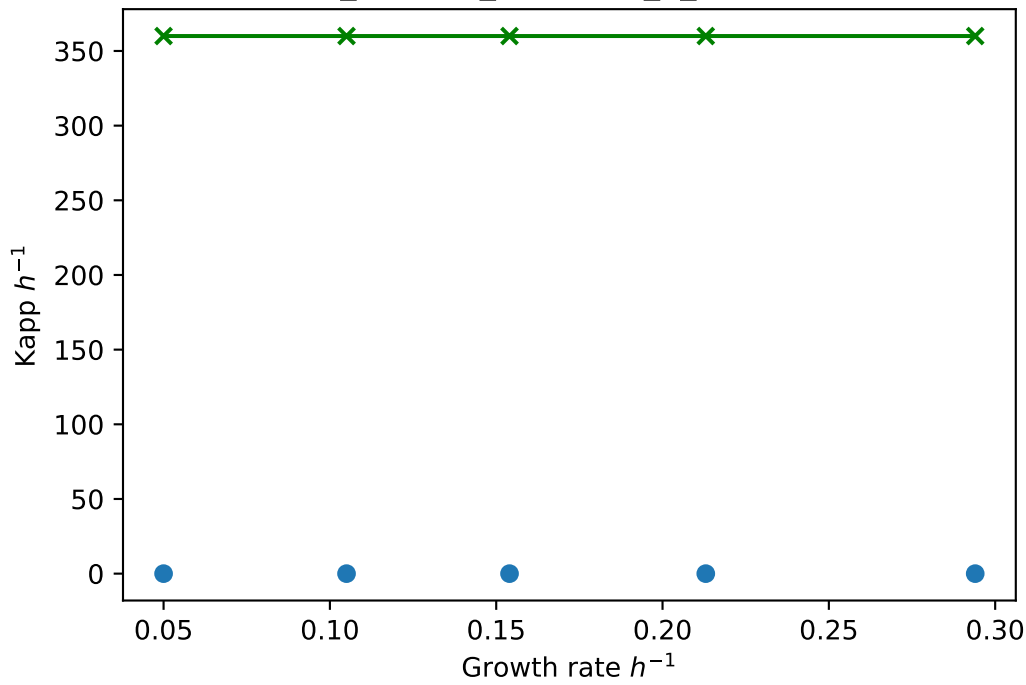




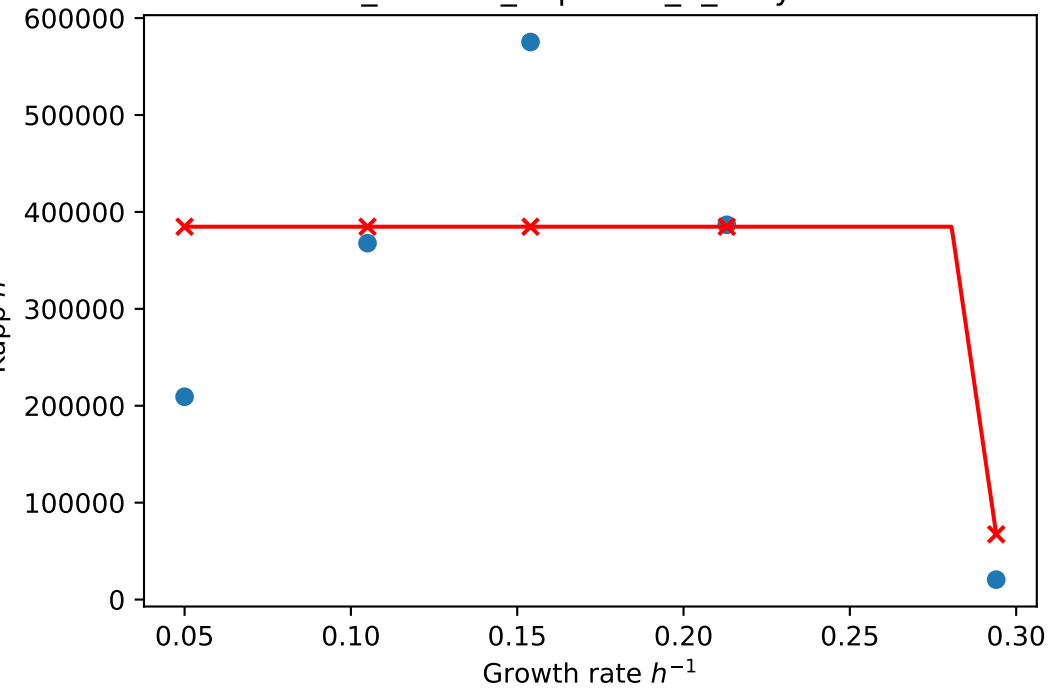
R_CYOOm_enzyme



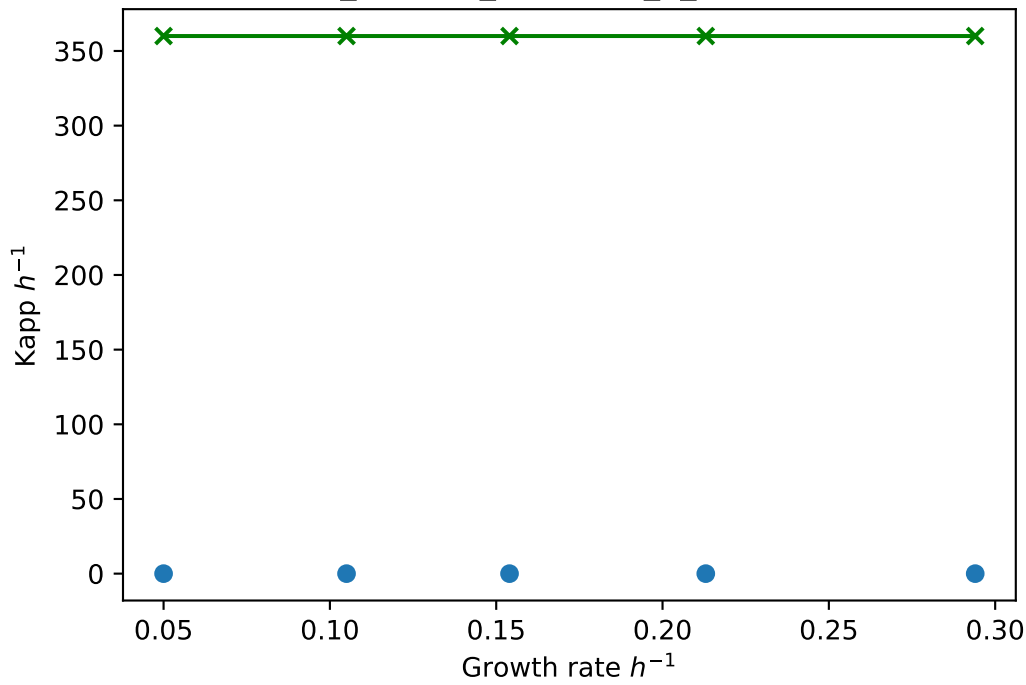
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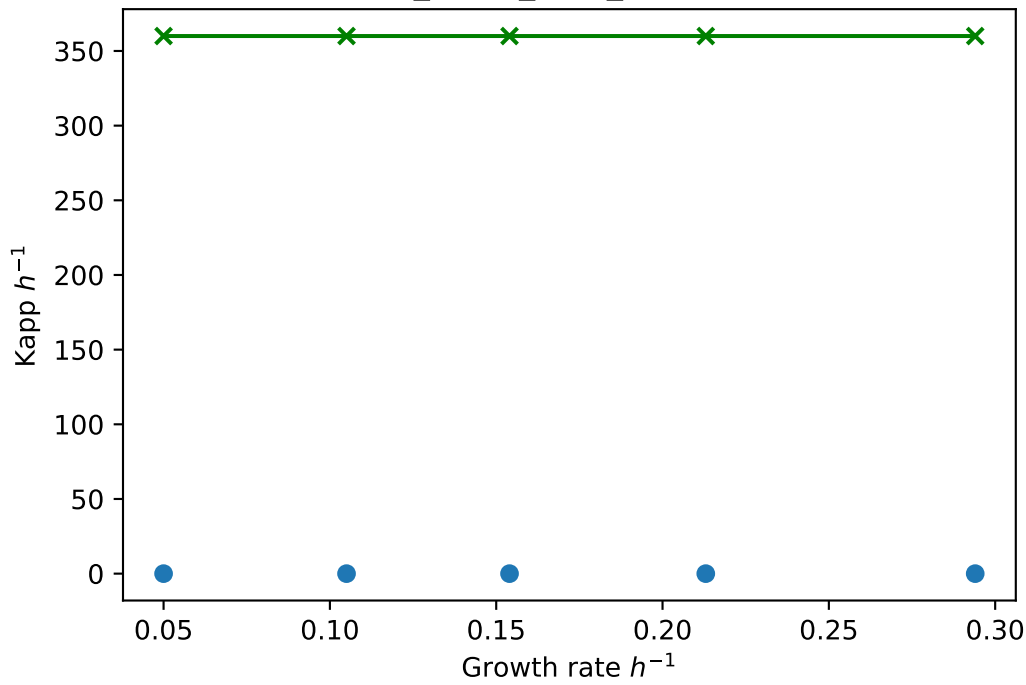
R_CYOOm_duplicate_3_enzyme



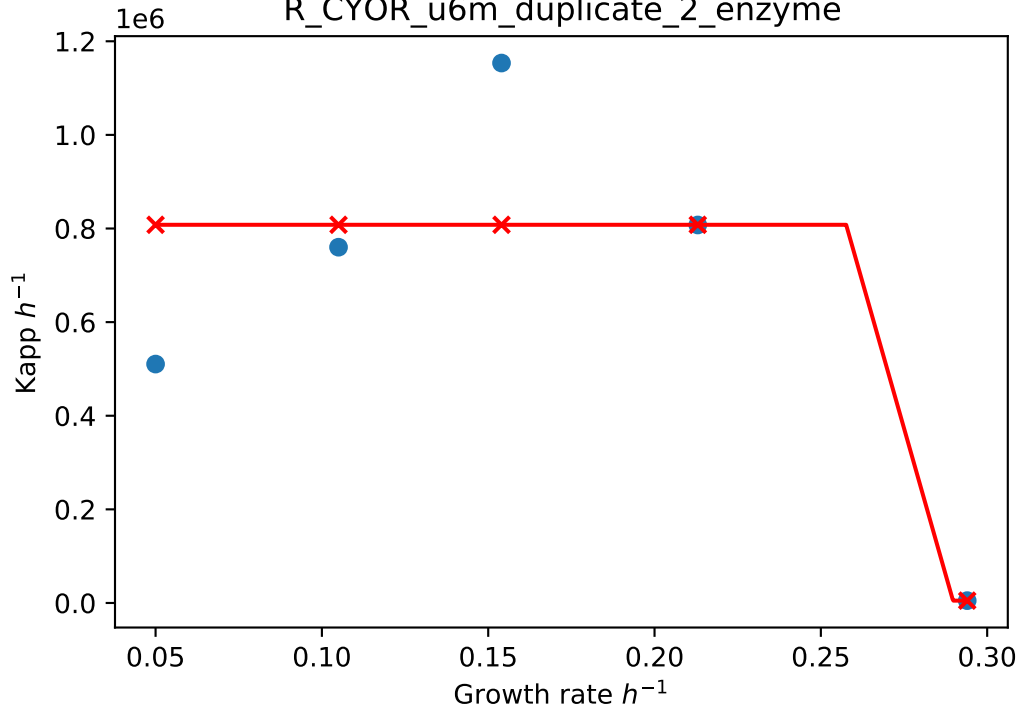
R_CYOOm_duplicate_4_enzyme



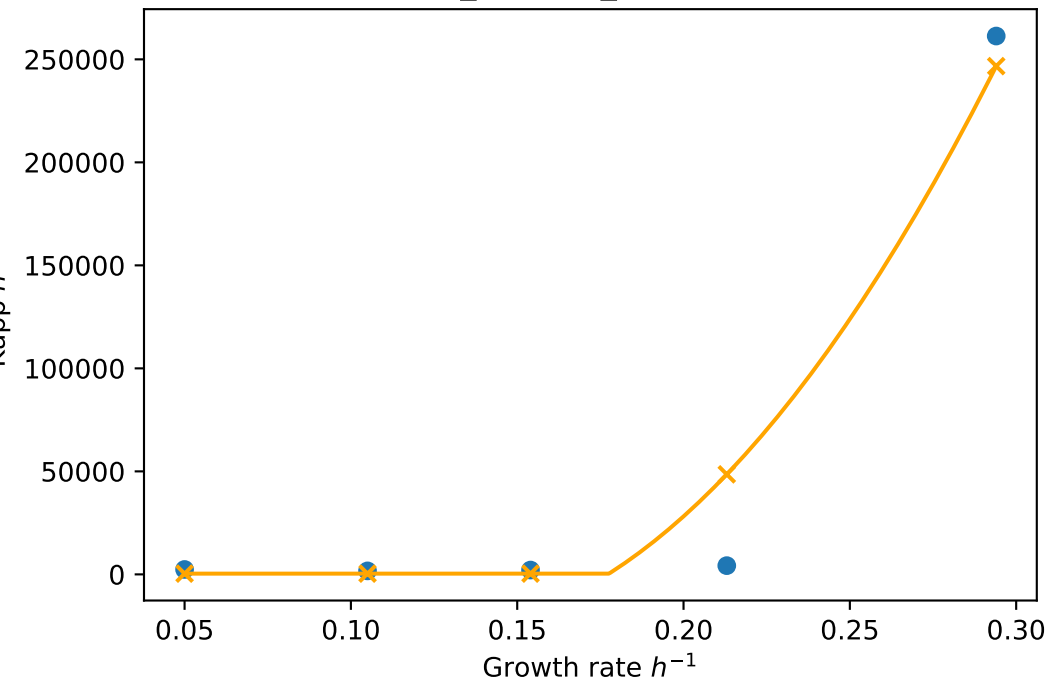
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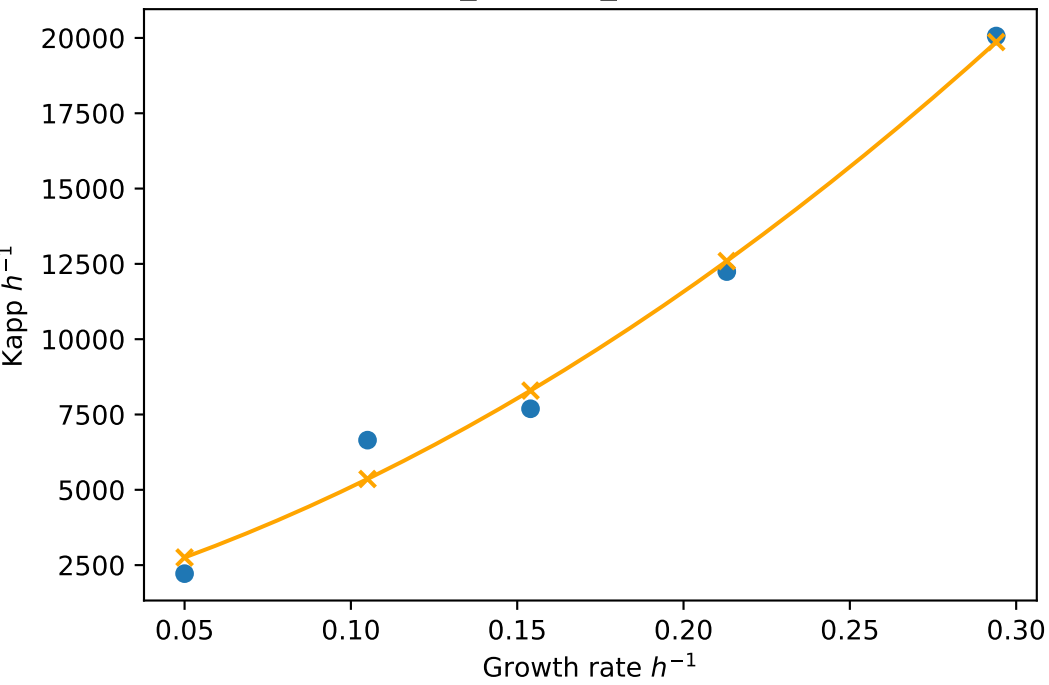
R_CYOR_u6m_duplicate_2_enzyme



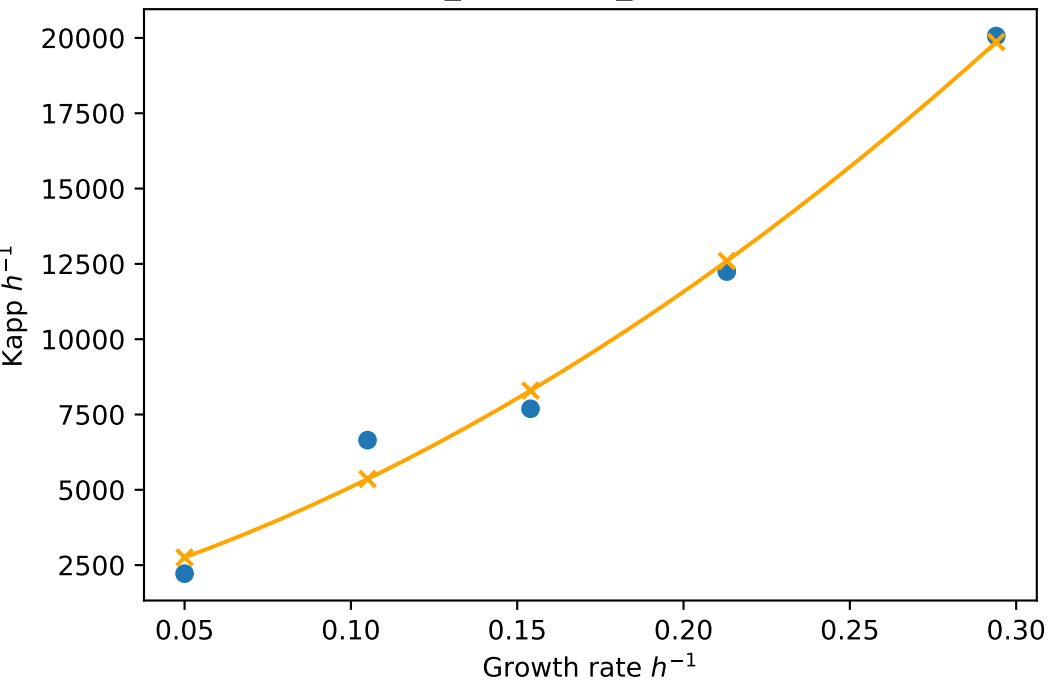
R_CYSTGL_enzyme



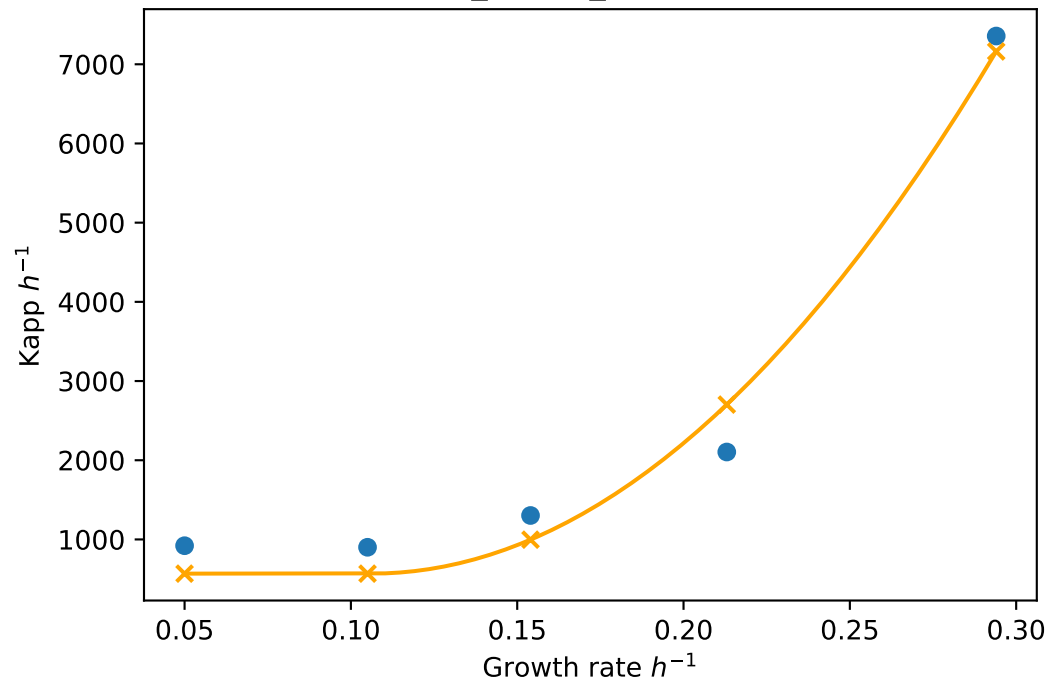
R_CYSTRS_enzyme



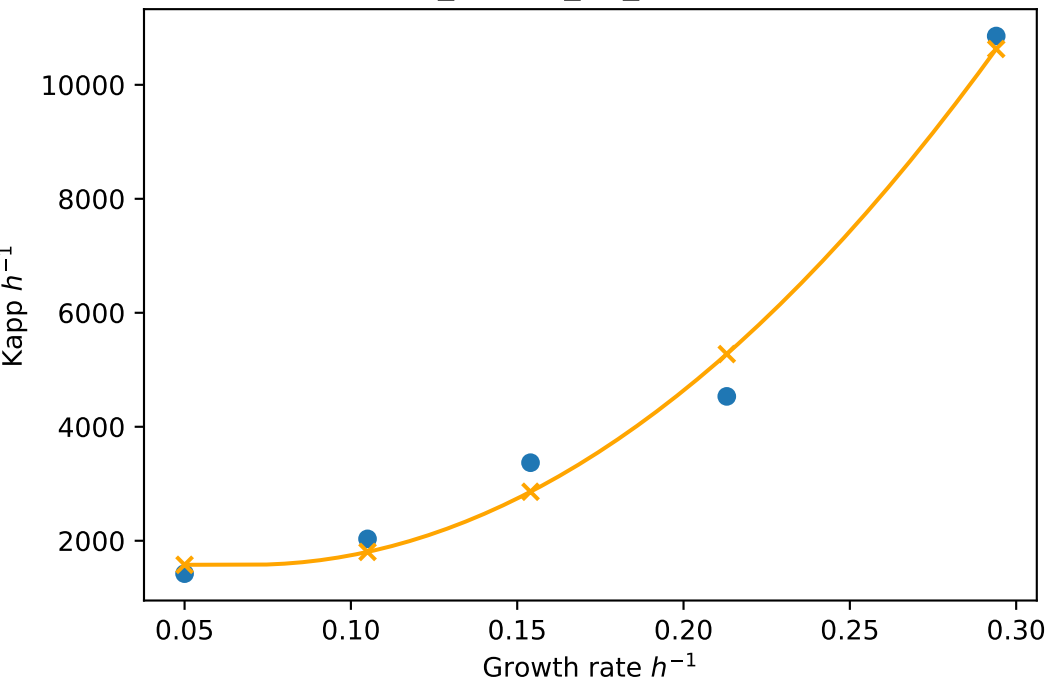
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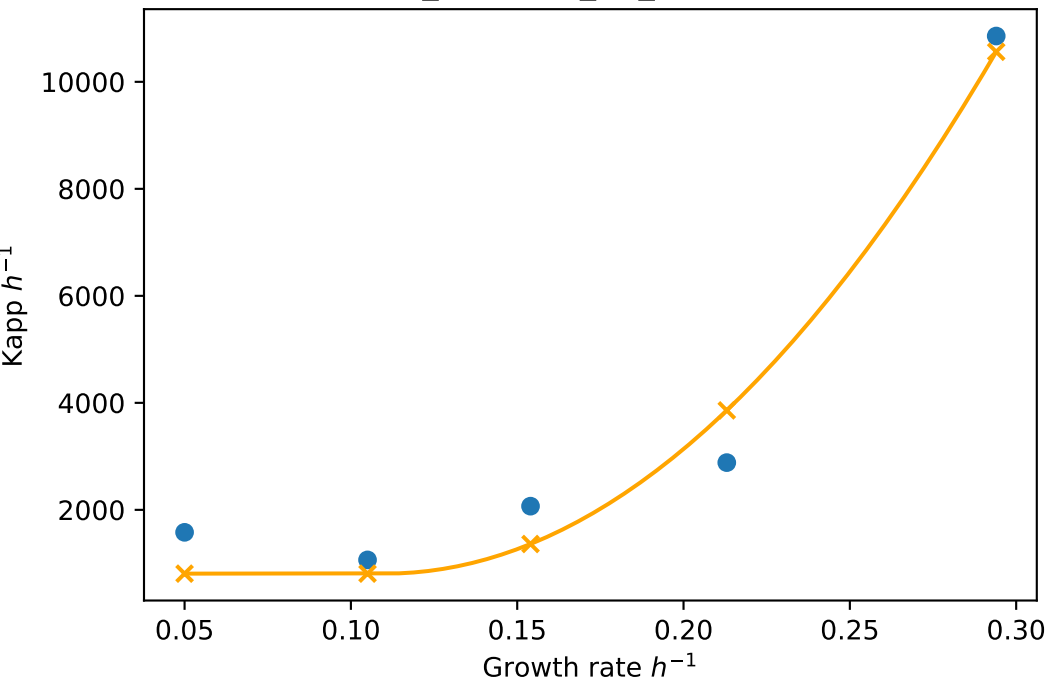
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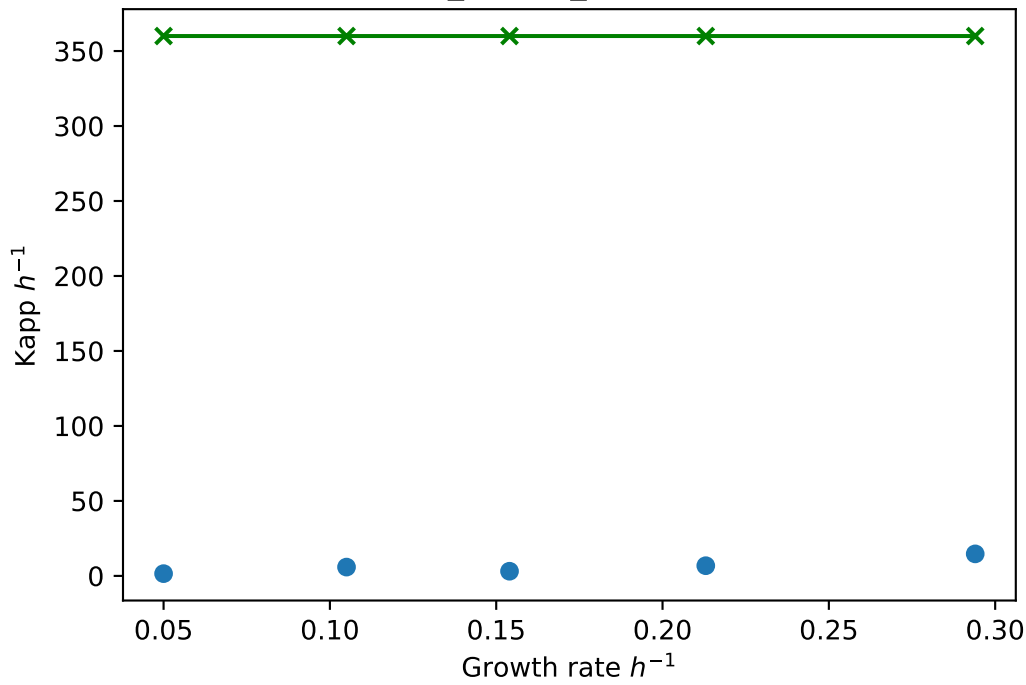
R_DASYN_SC_enzyme



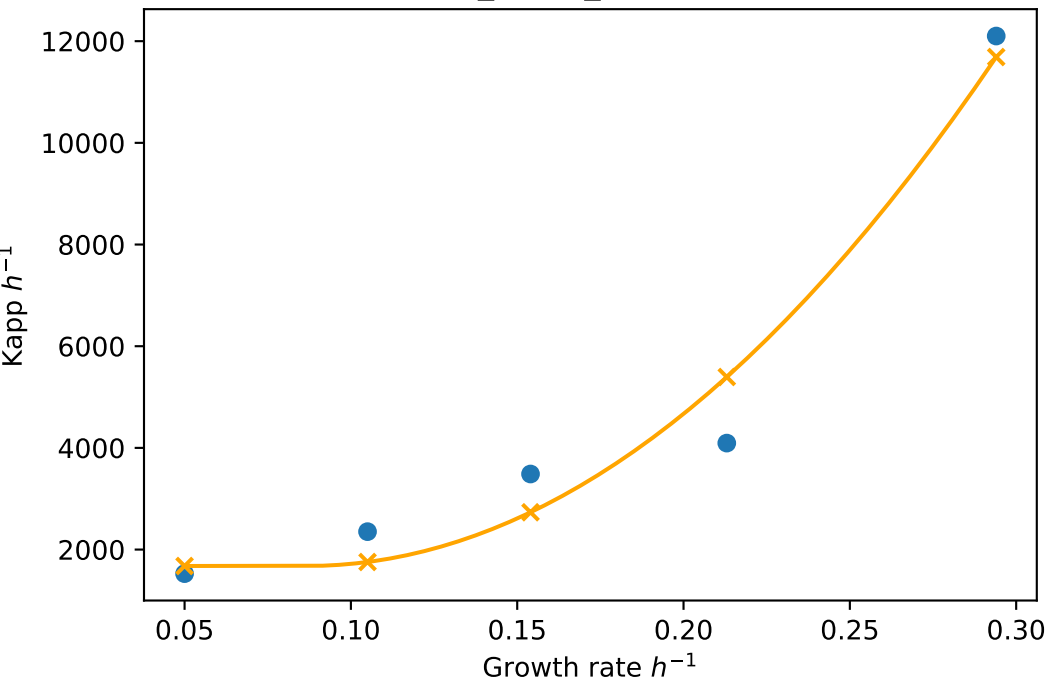
R_DASYNm_SC_enzyme



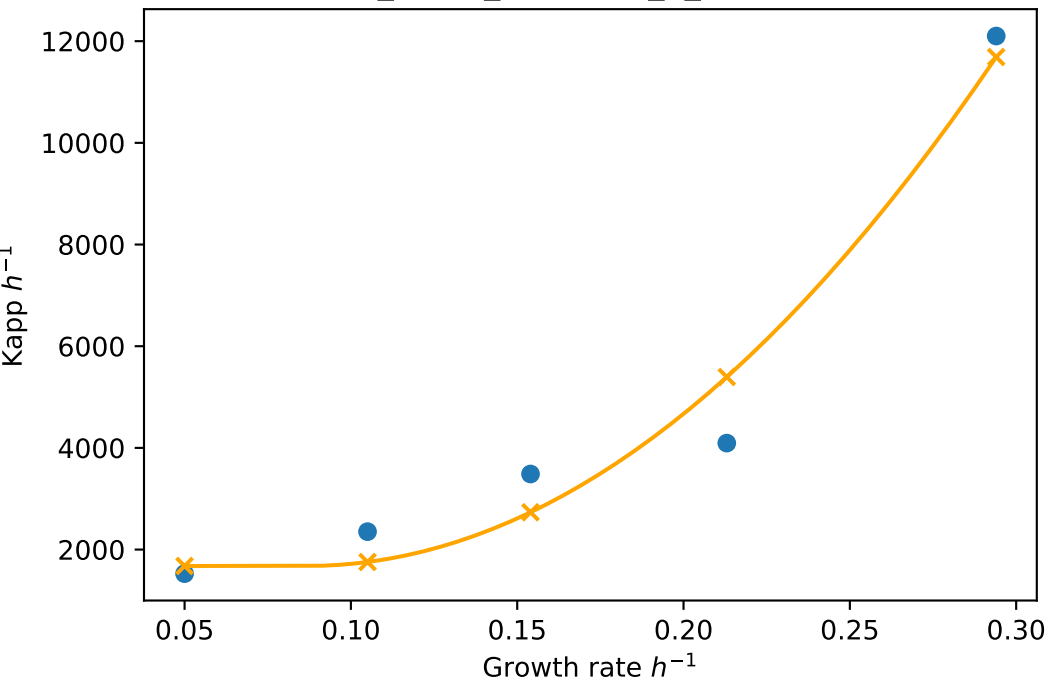
R_DB4PS_enzyme



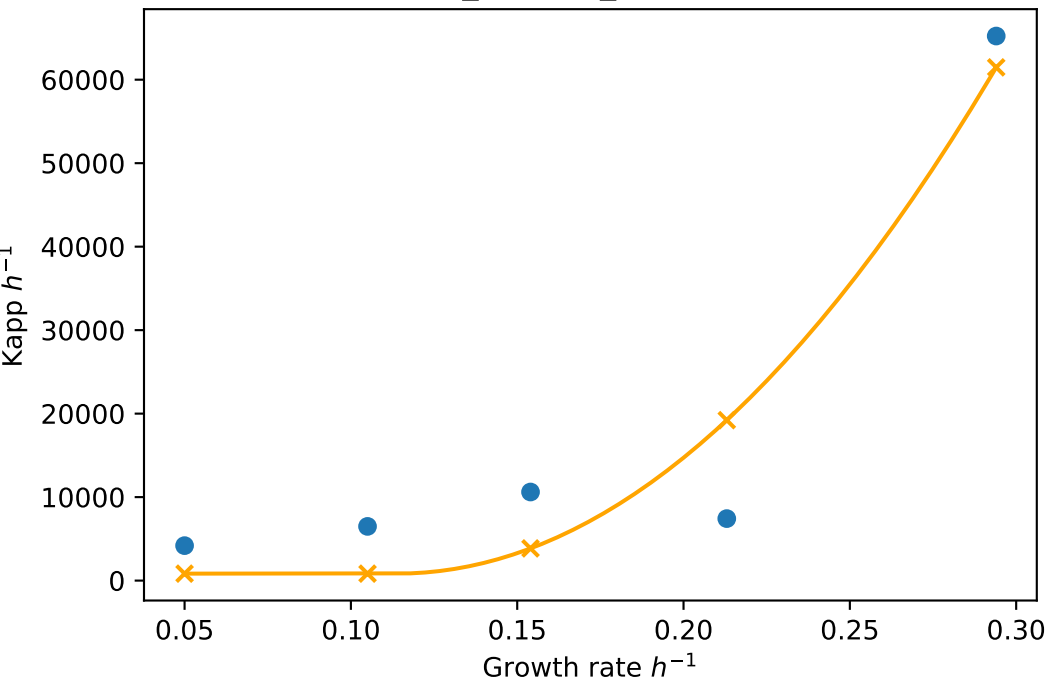
R_DDPA_enzyme



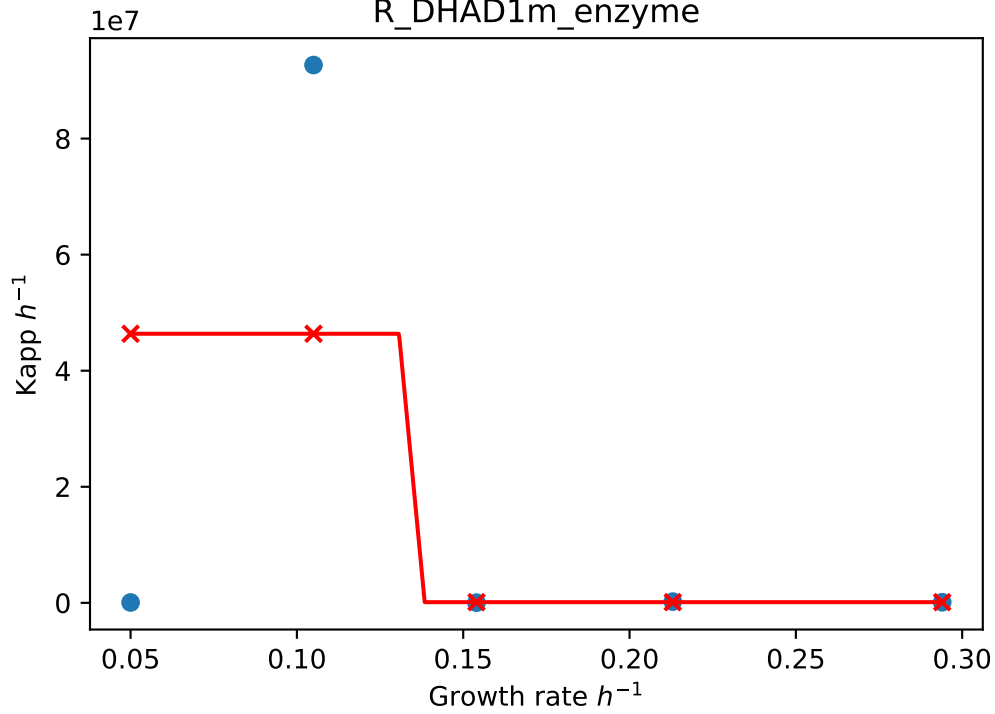
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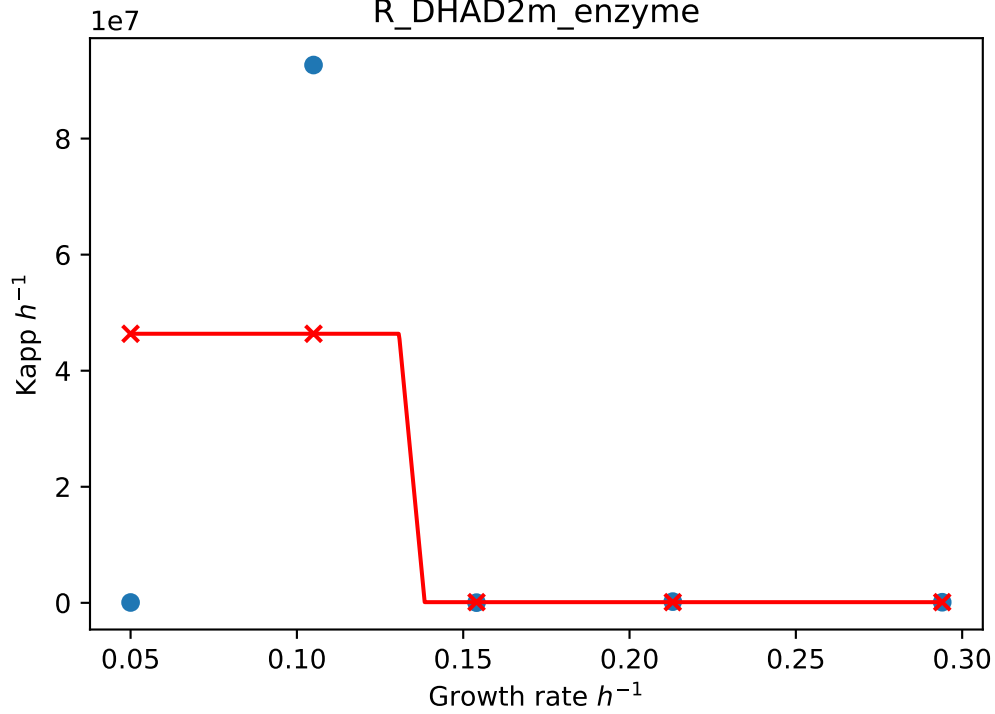
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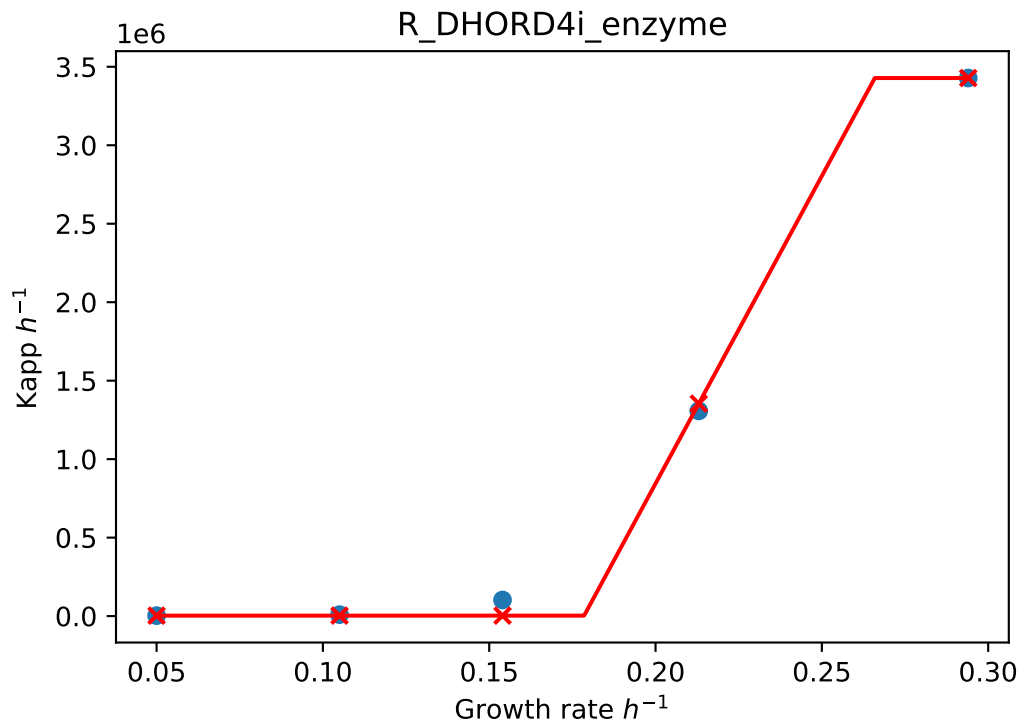


R_DHAD1m_enzyme

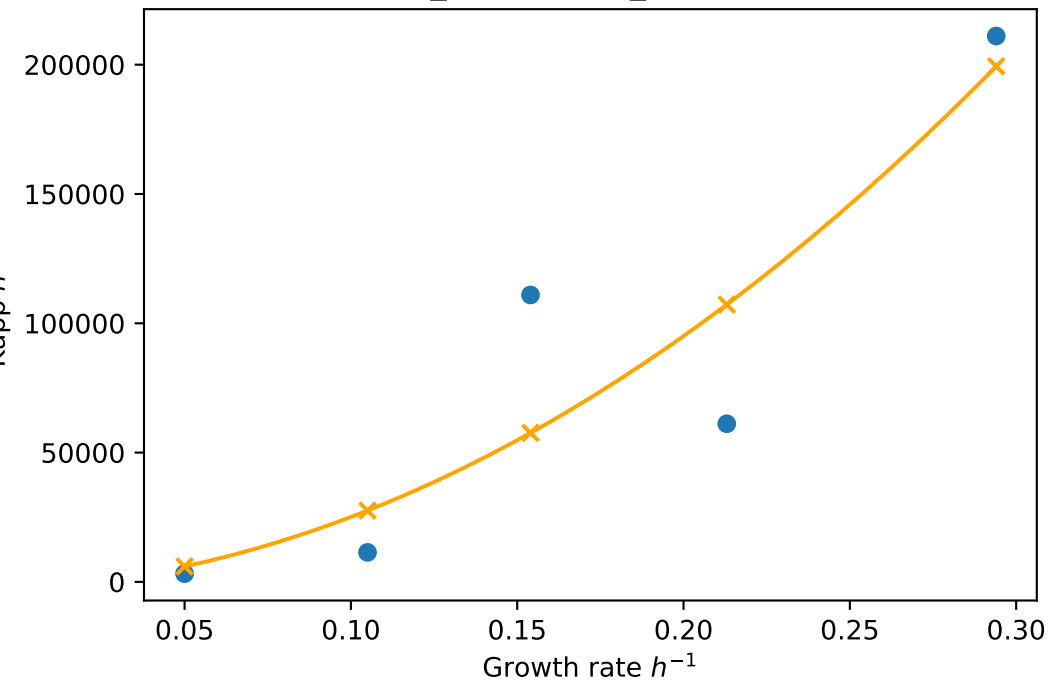


R_DHAD2m_enzyme

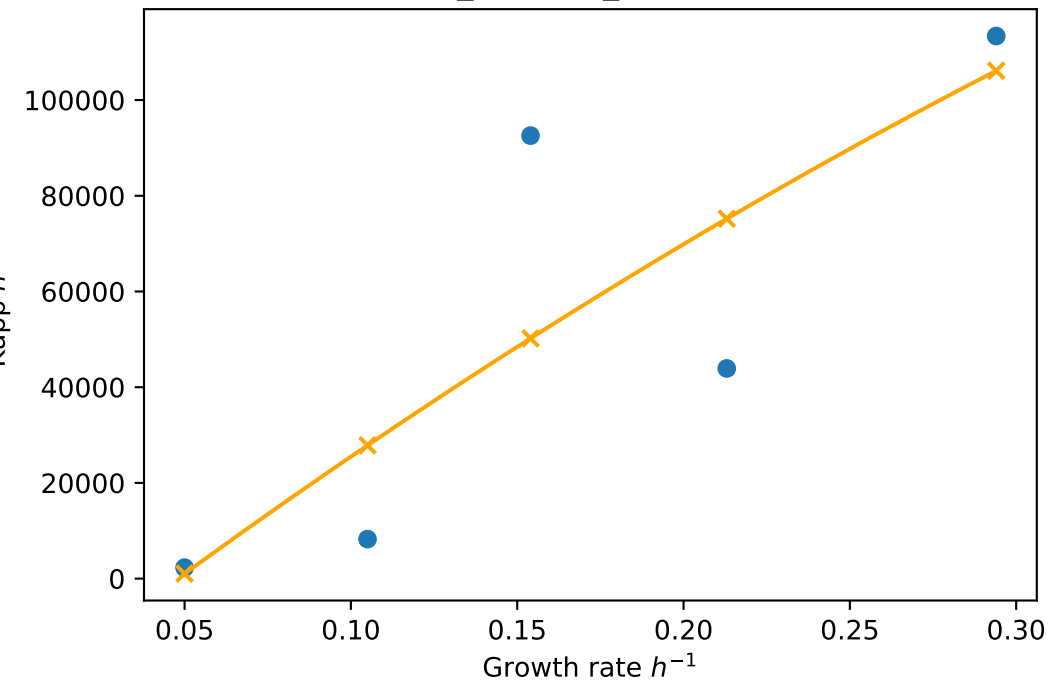




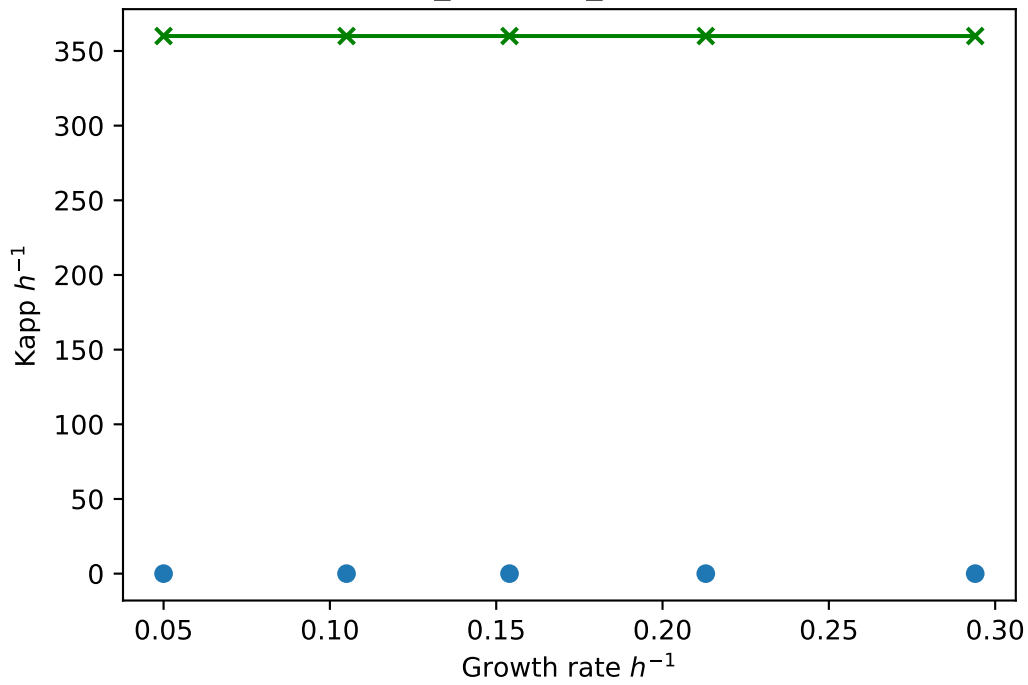
R_DHORDfum_enzyme



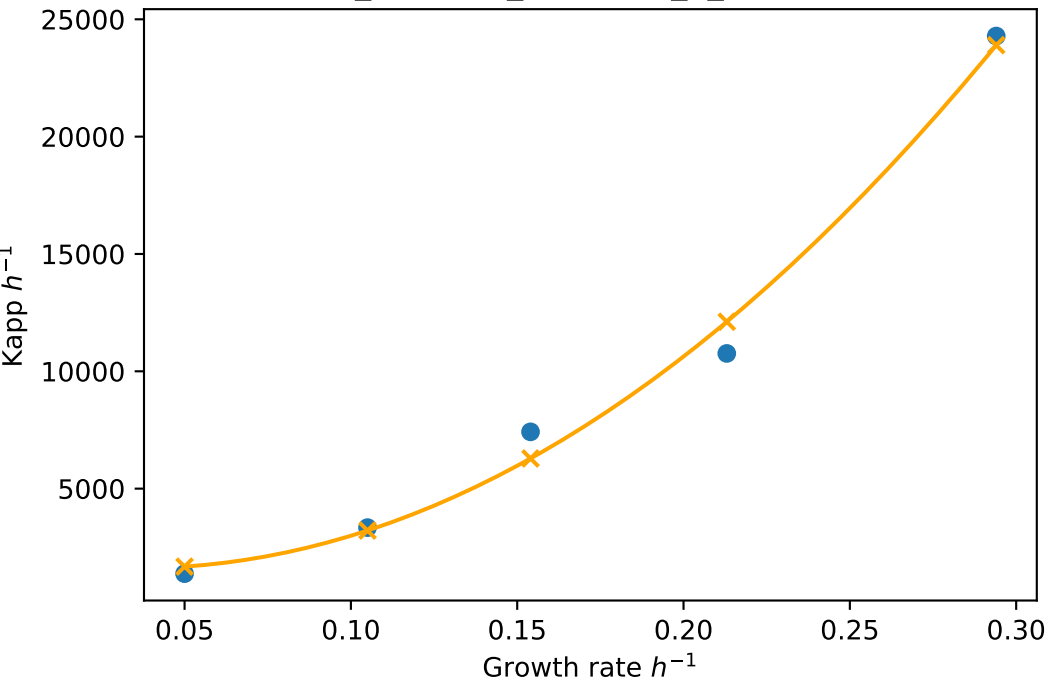
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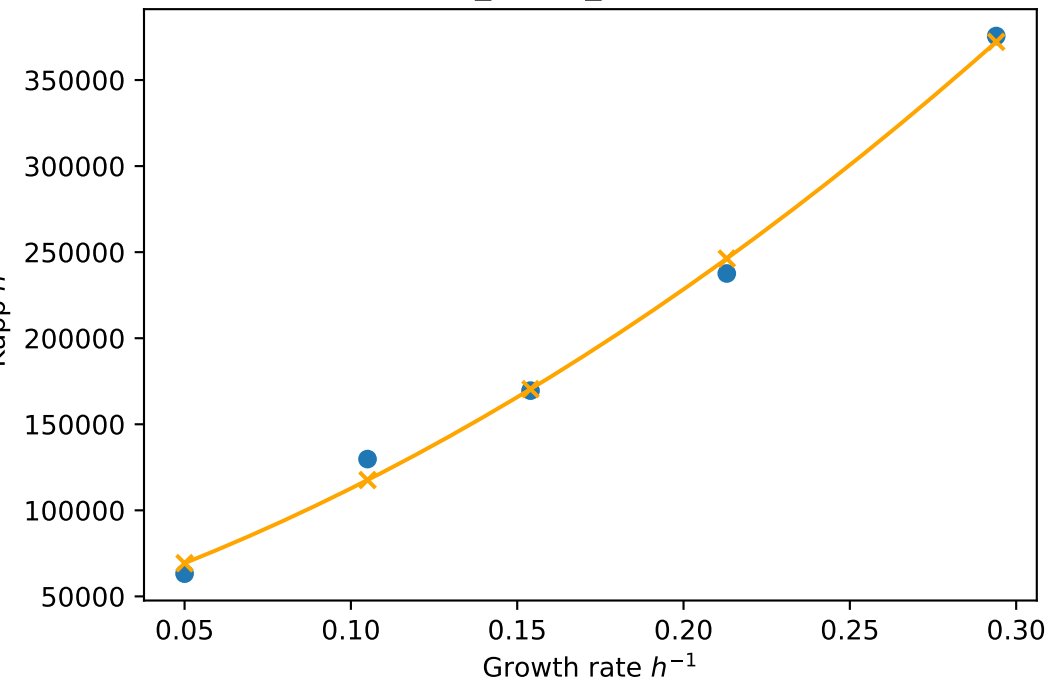
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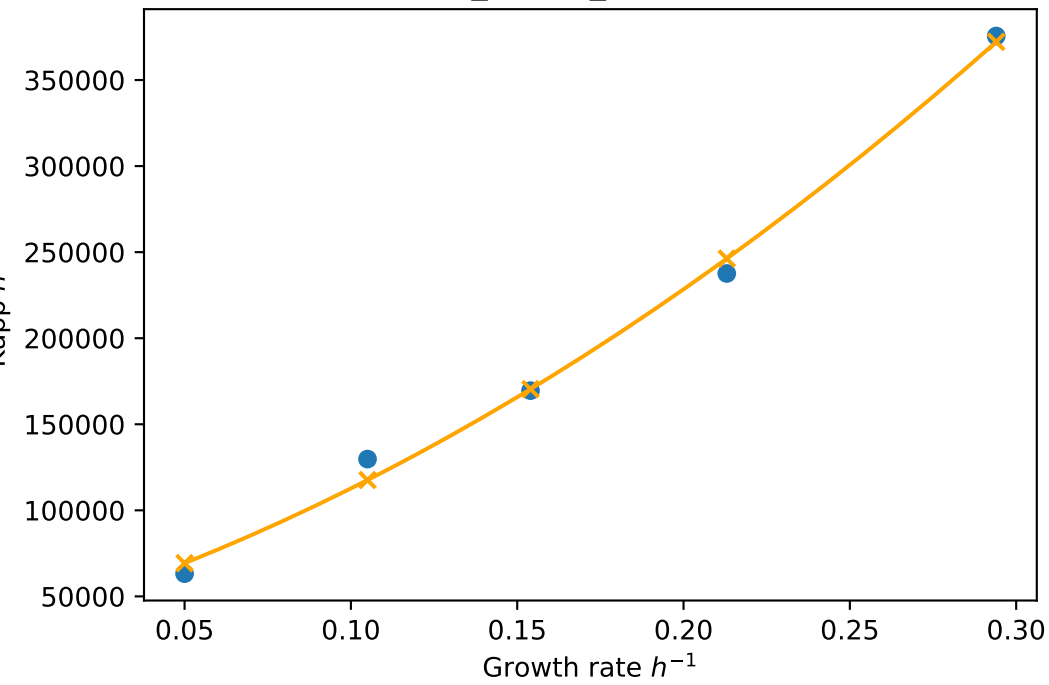
R_DHORTS_duplicate_2_enzyme



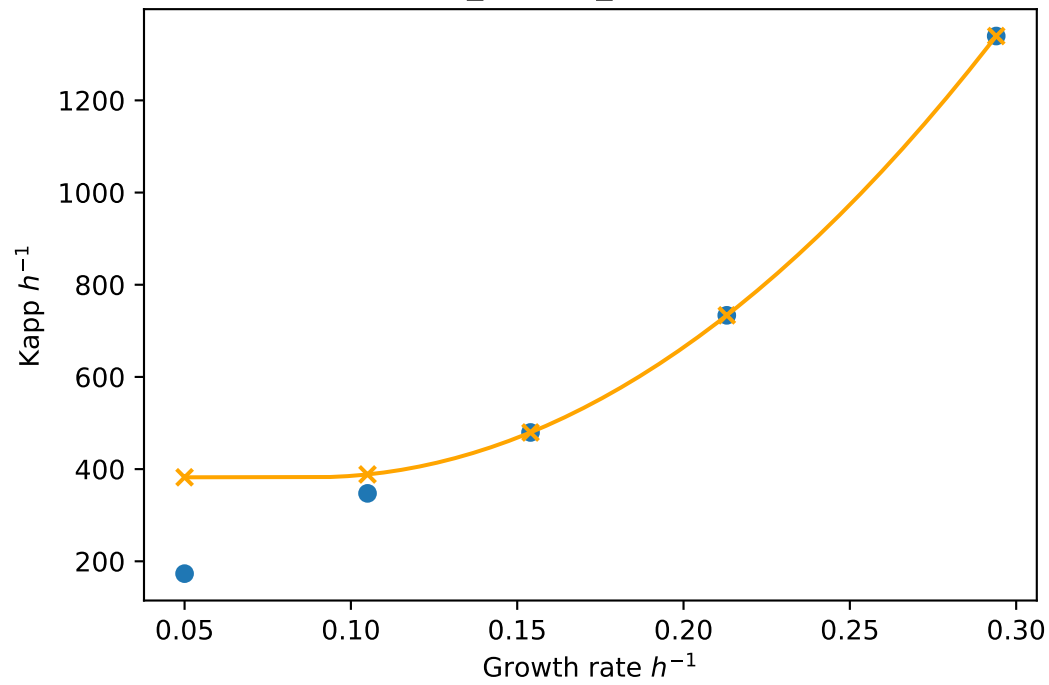
R_DHQS_enzyme



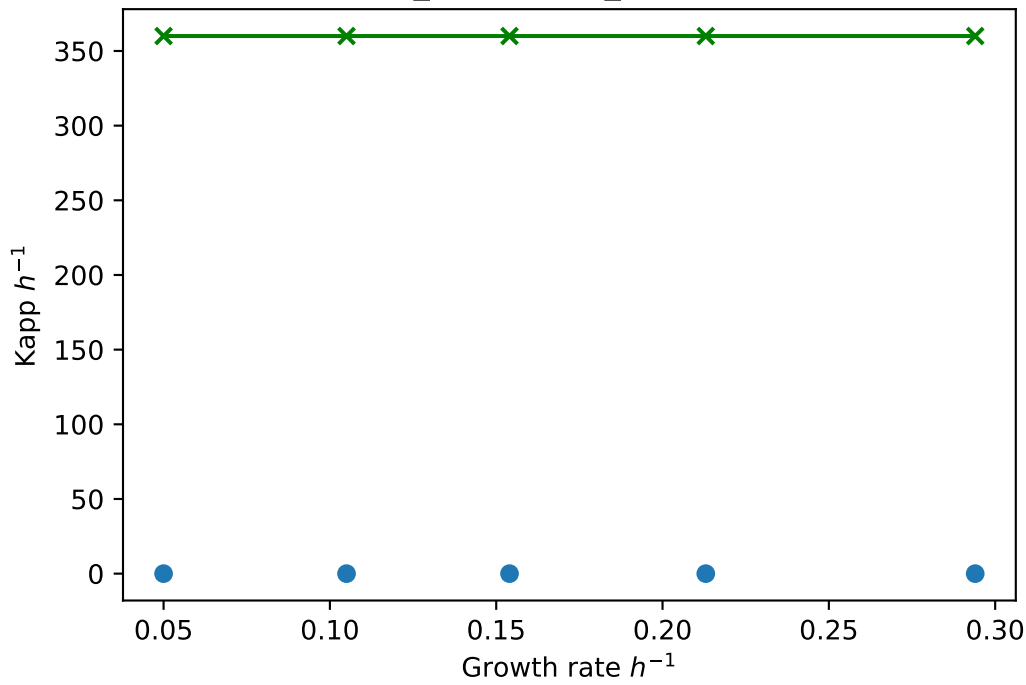
R_DHQTi_enzyme



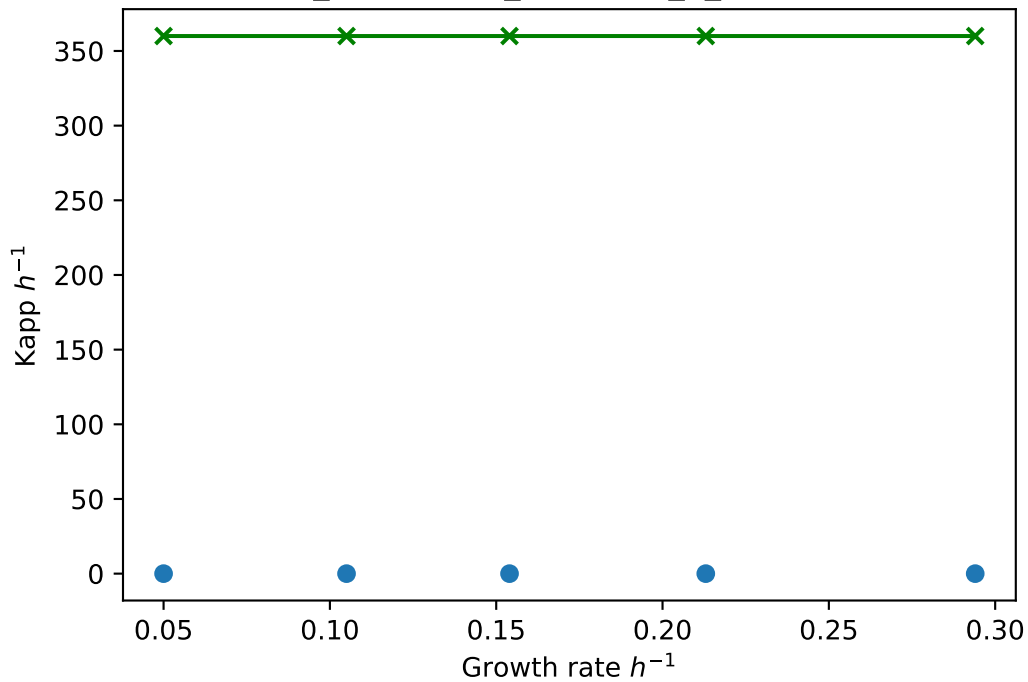
R_DMATT_enzyme

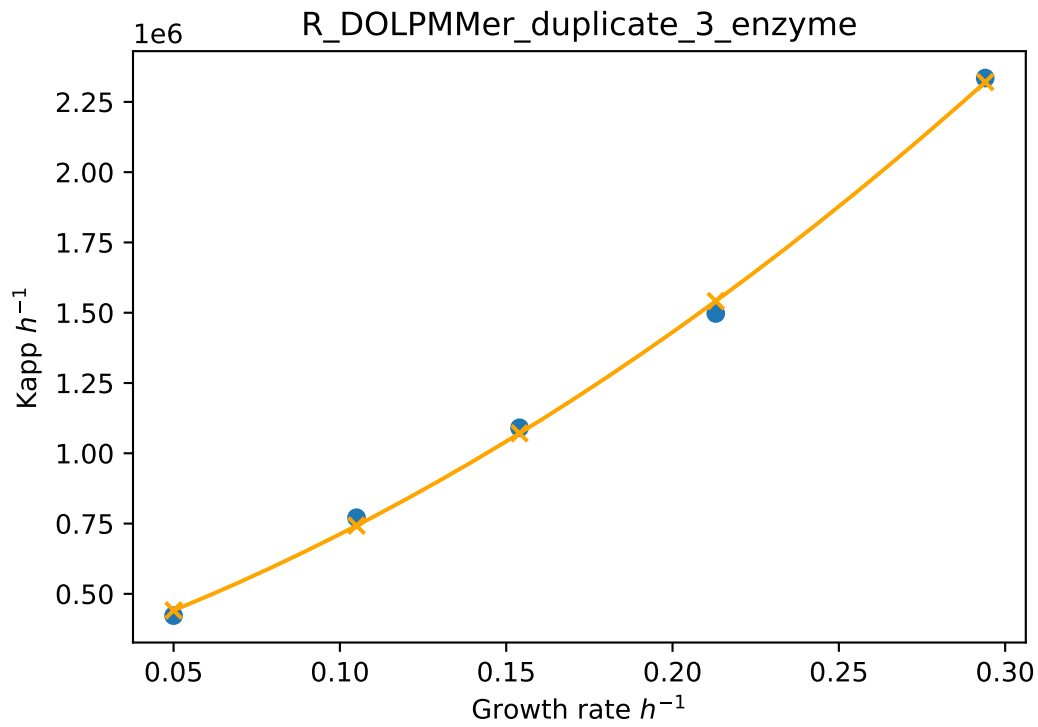


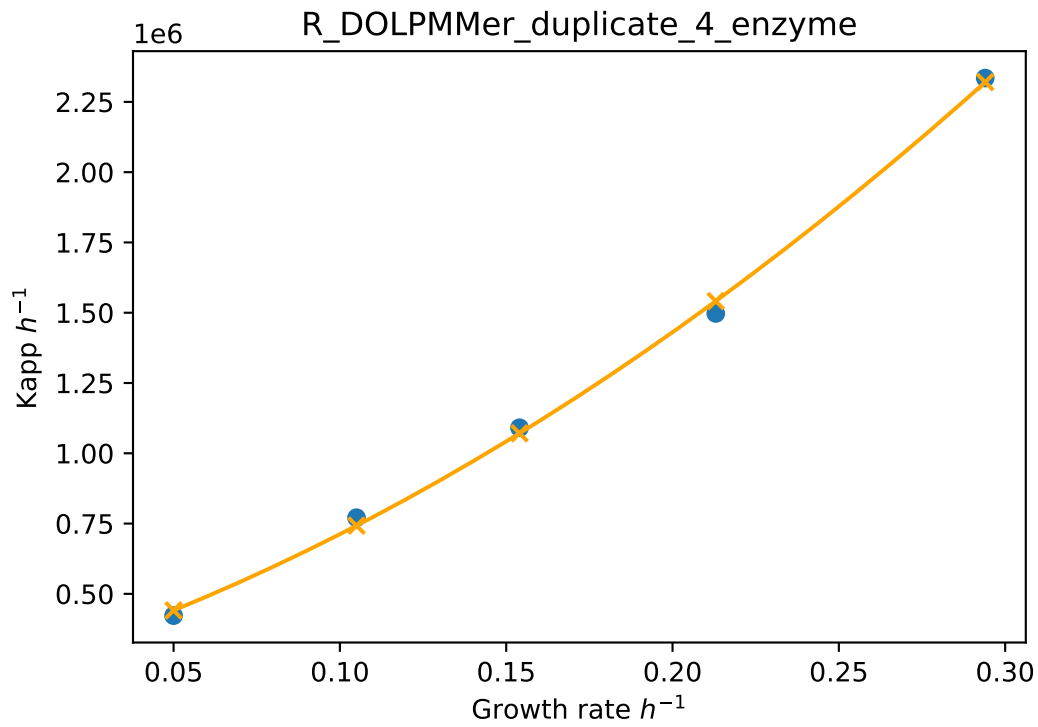
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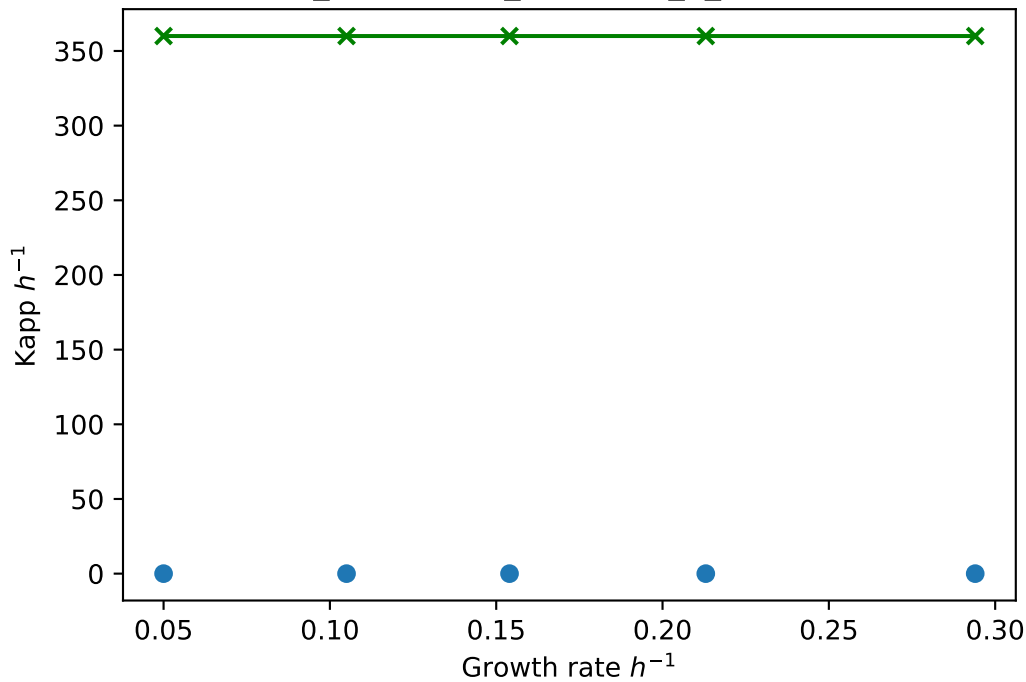
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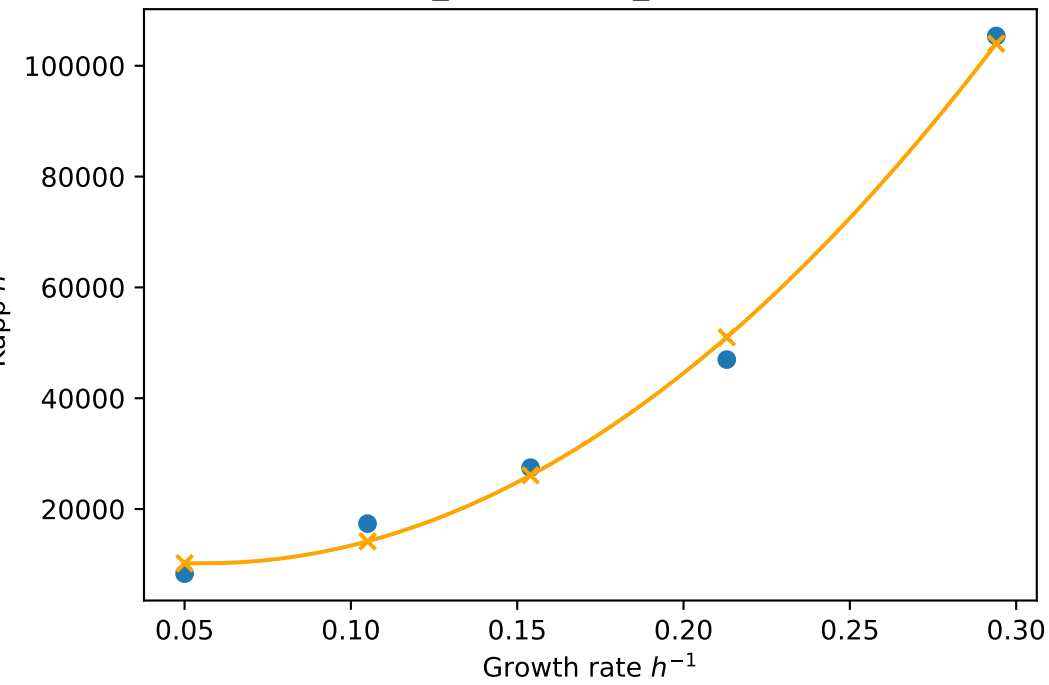


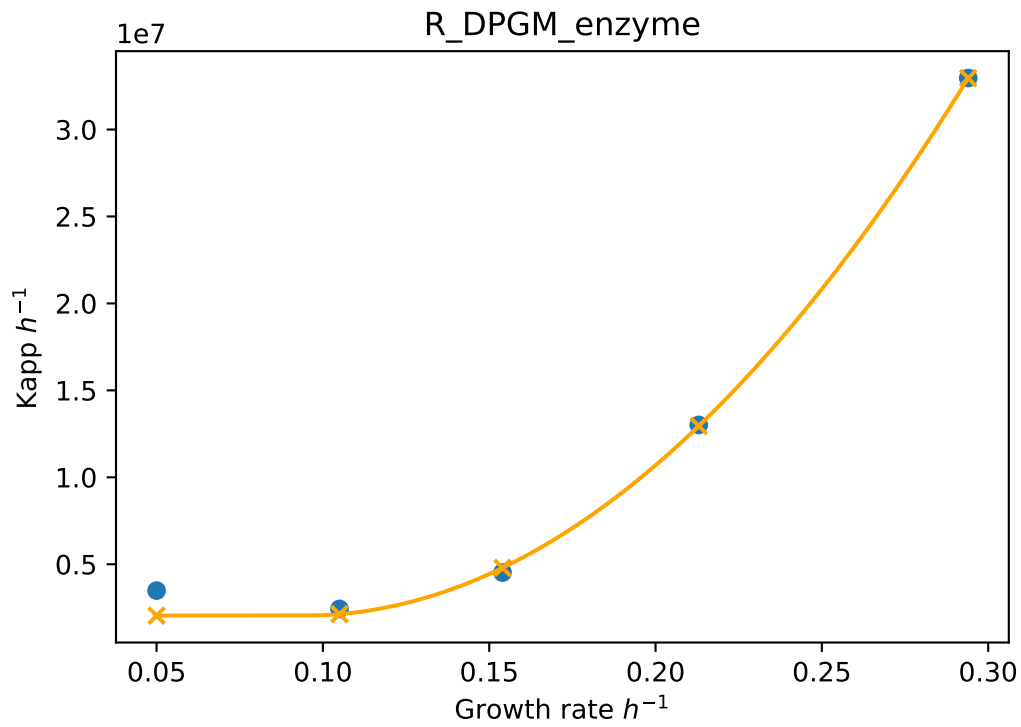


R_DOLPMMer_duplicate_5_enzyme

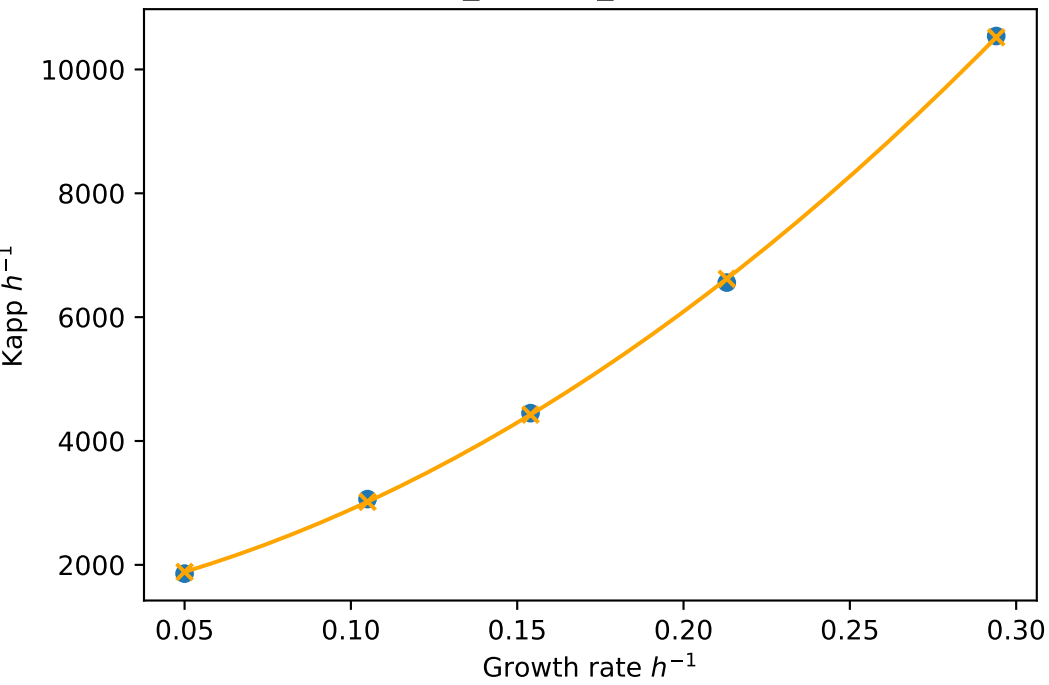


R_DOLPMTcer_enzyme

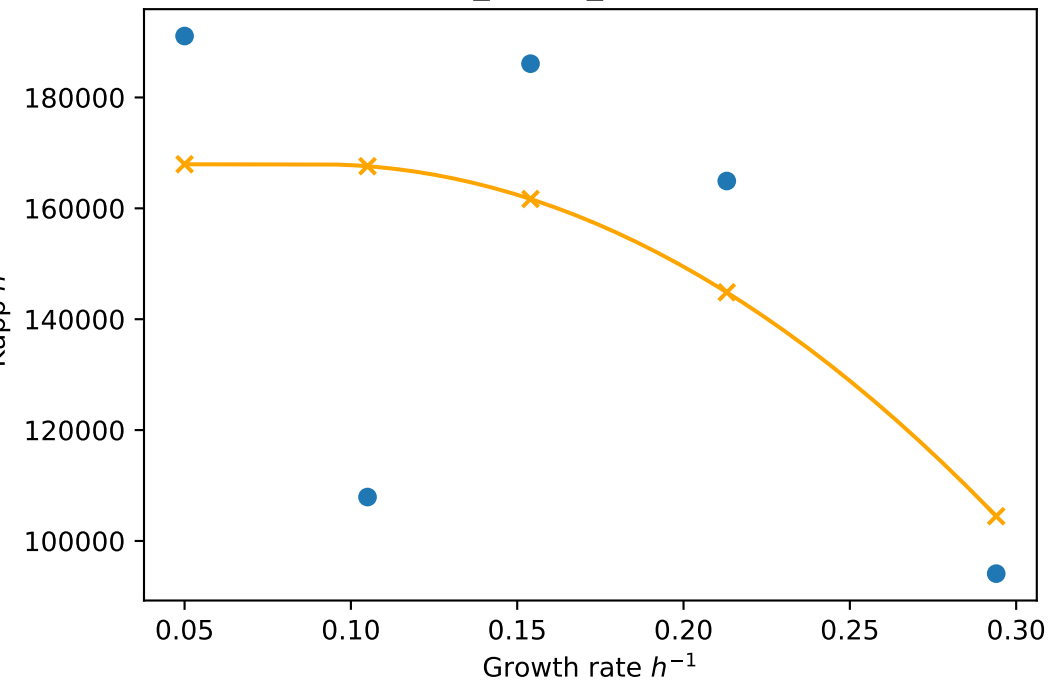




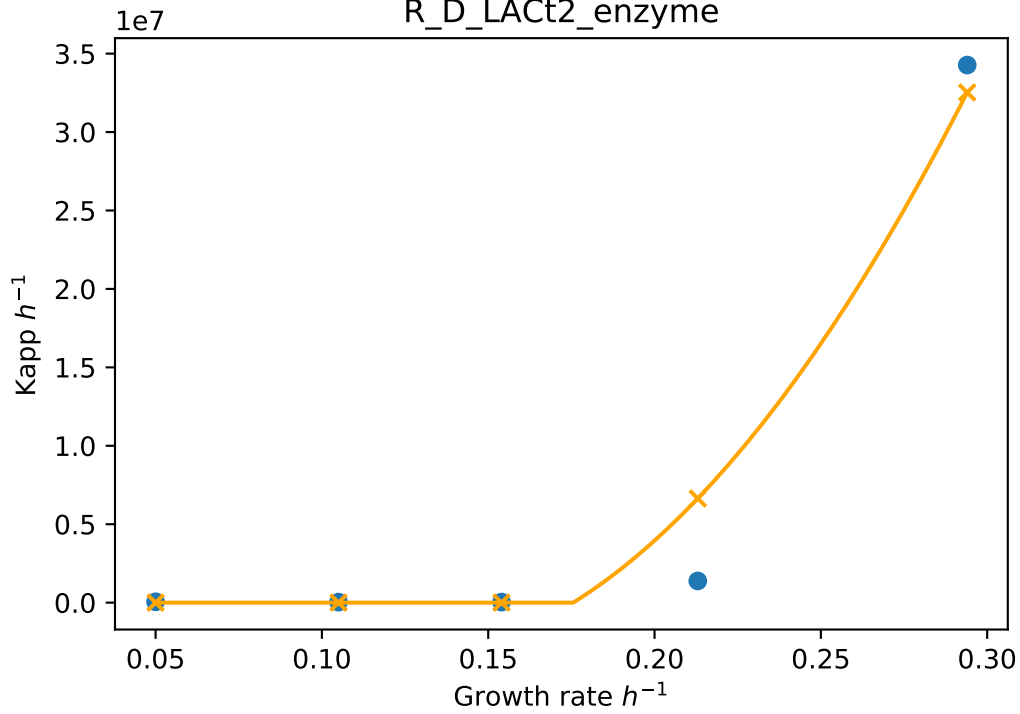
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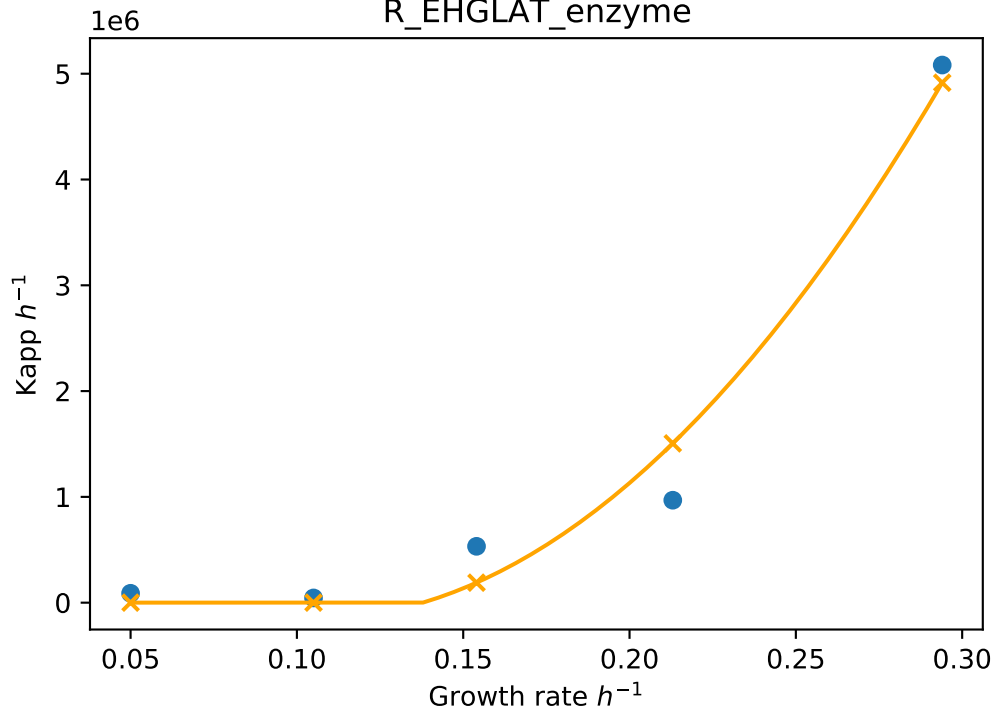
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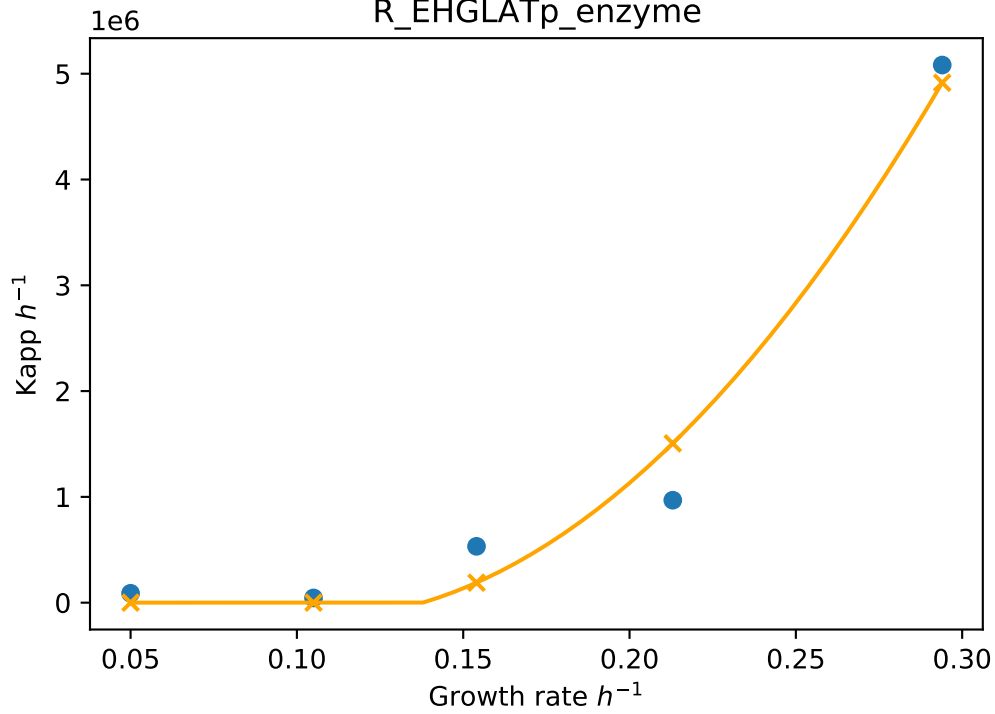
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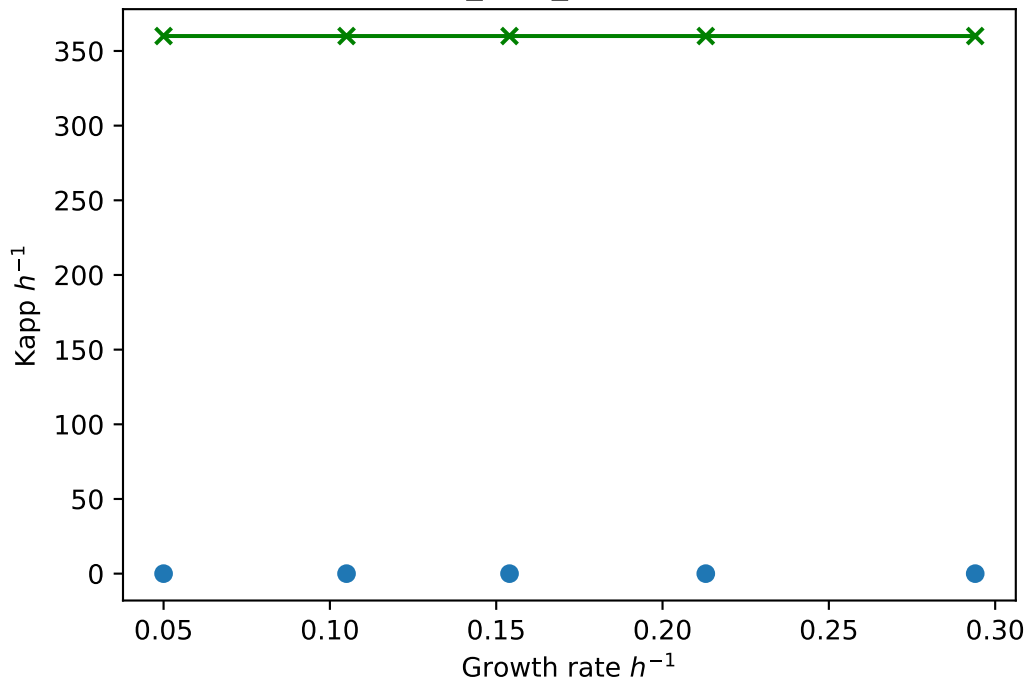
R_EHGLAT_enzyme



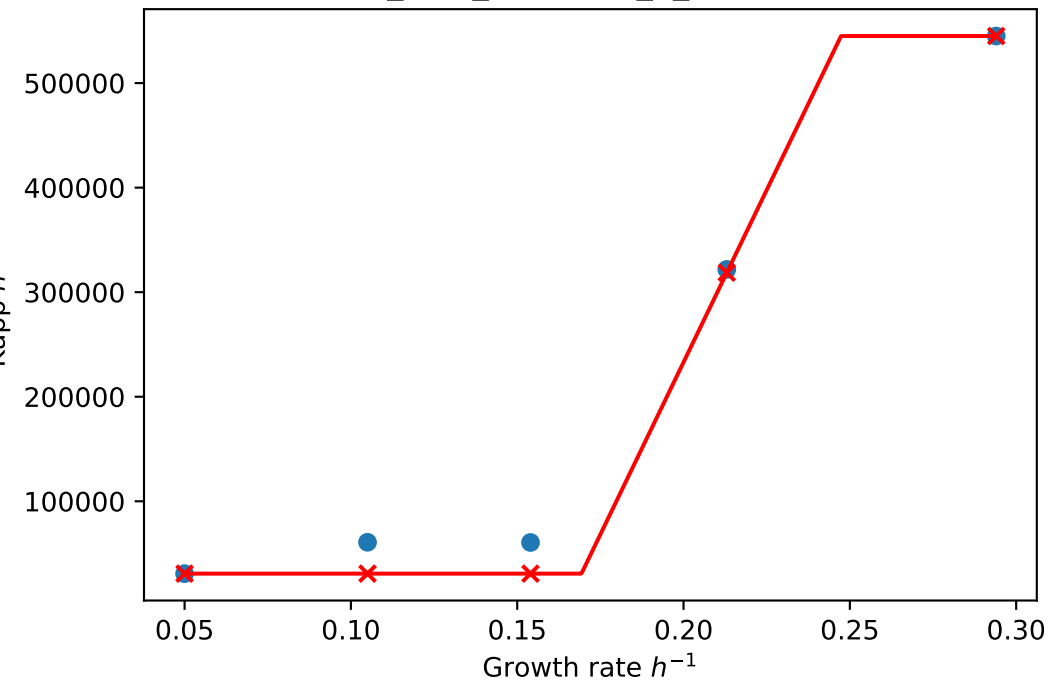
R_EHGLATp_enzyme



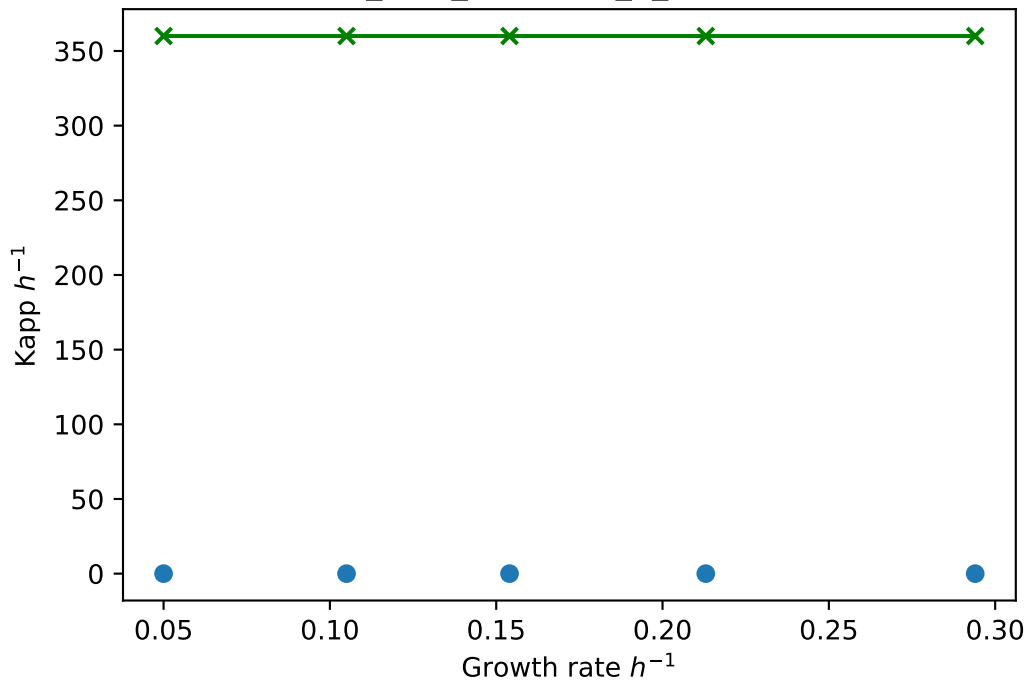
R_ENO_enzyme



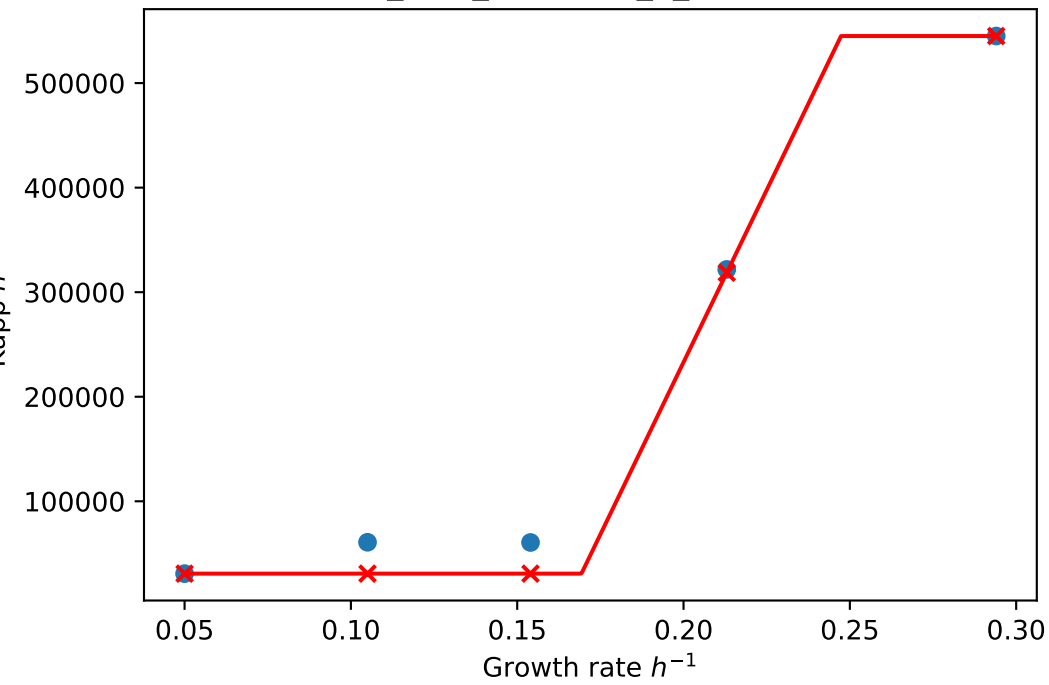
R_ENO_duplicate_2_enzyme



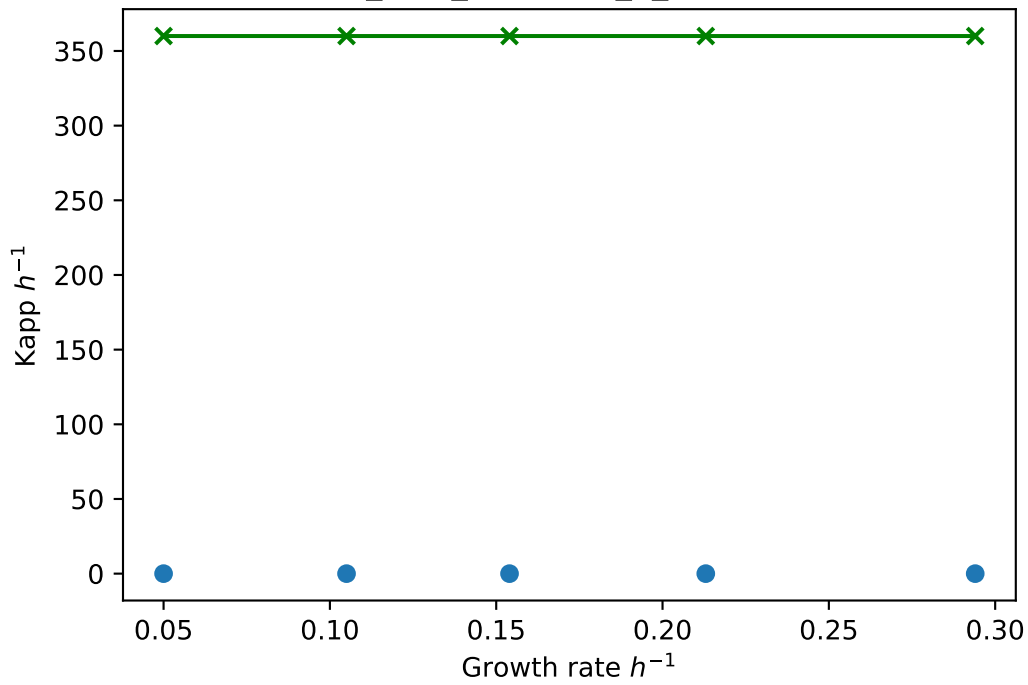
R_ENO_duplicate_3_enzyme



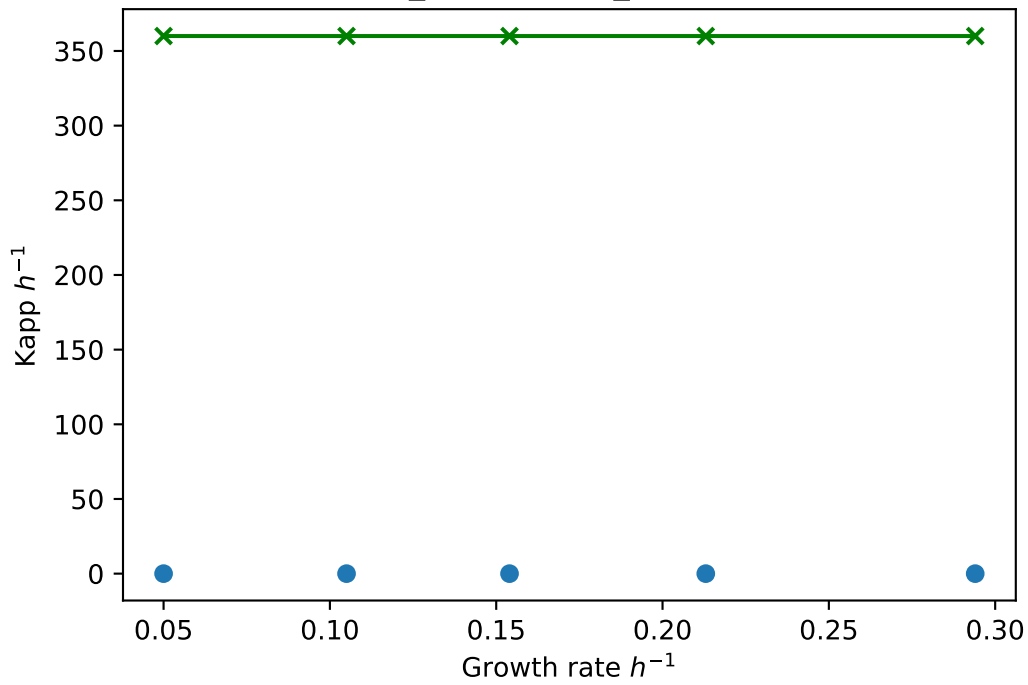
R_ENO_duplicate_4_enzyme



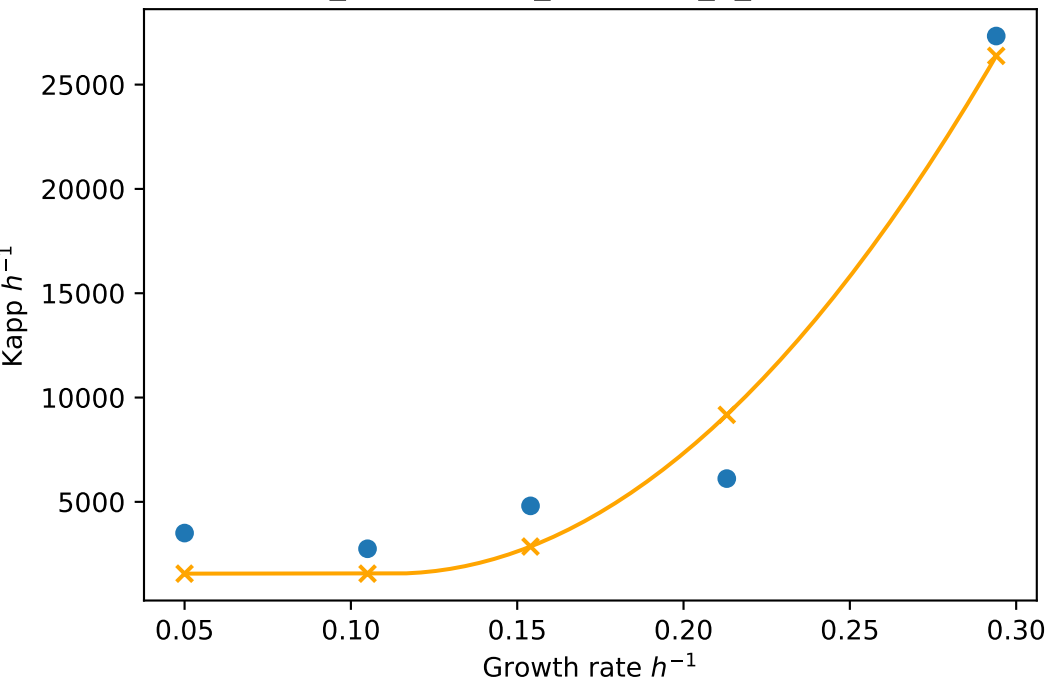
R_ENO_duplicate_5_enzyme



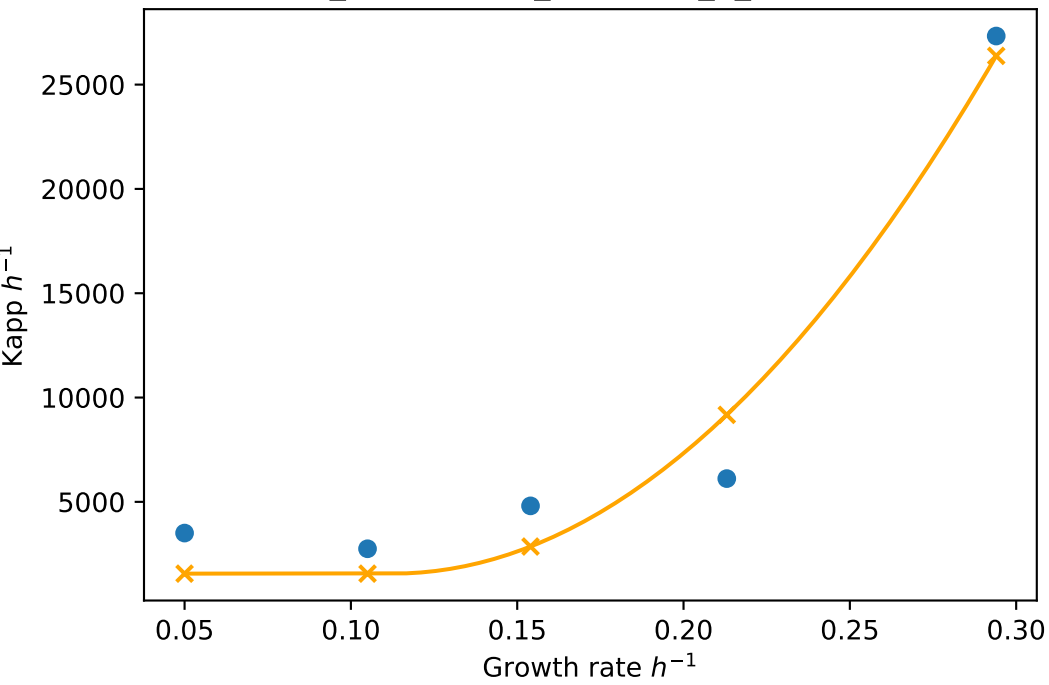
R_FACOAL140_enzyme



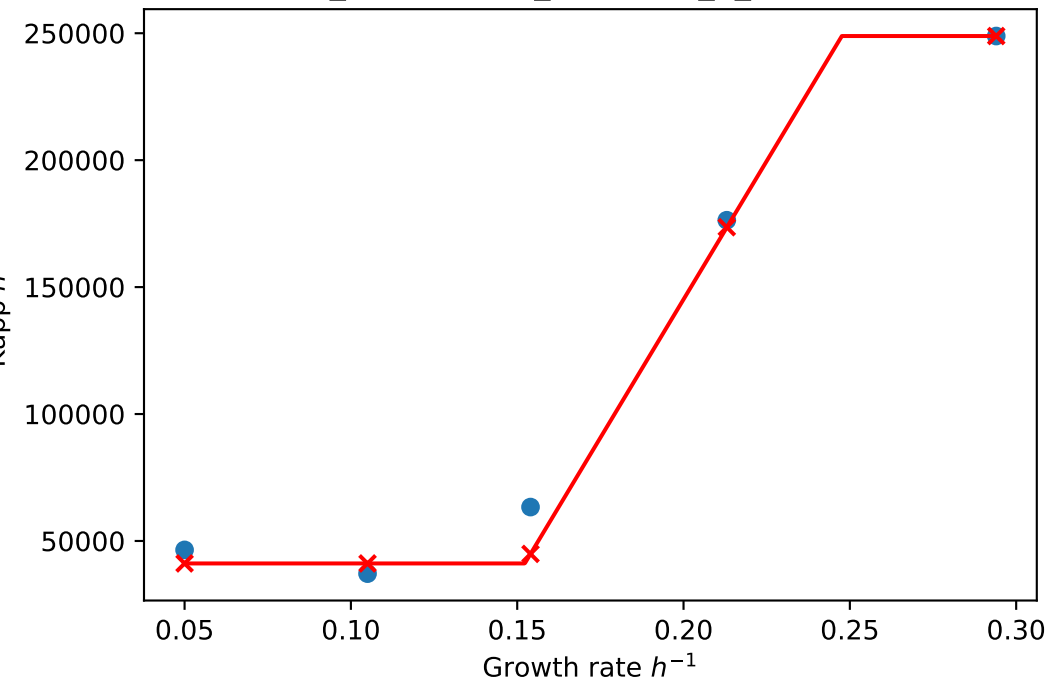
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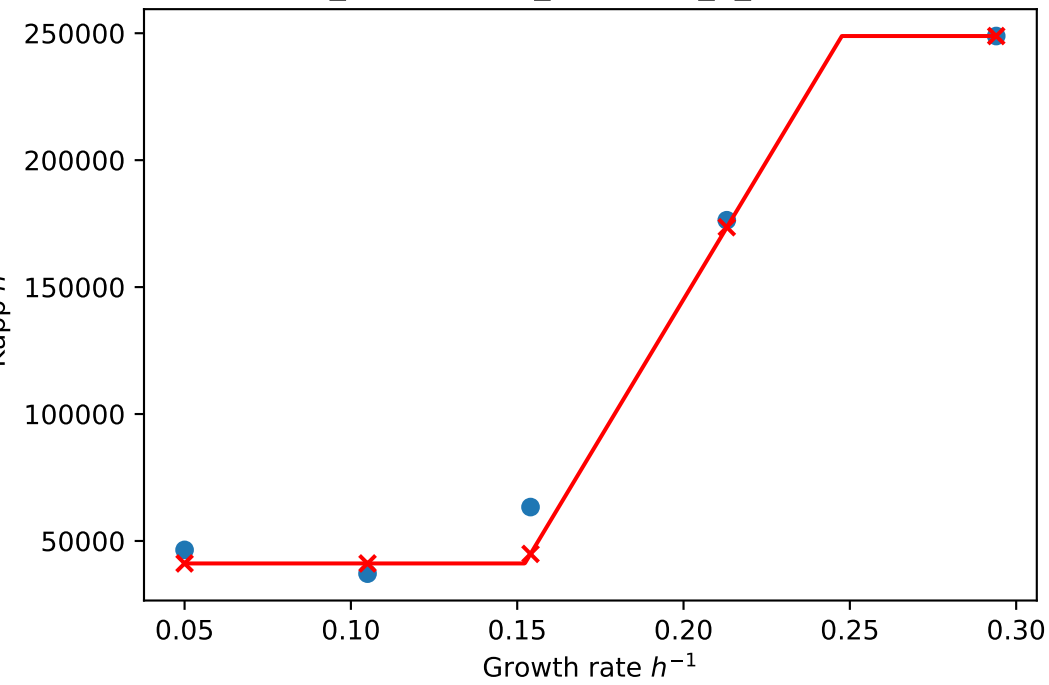
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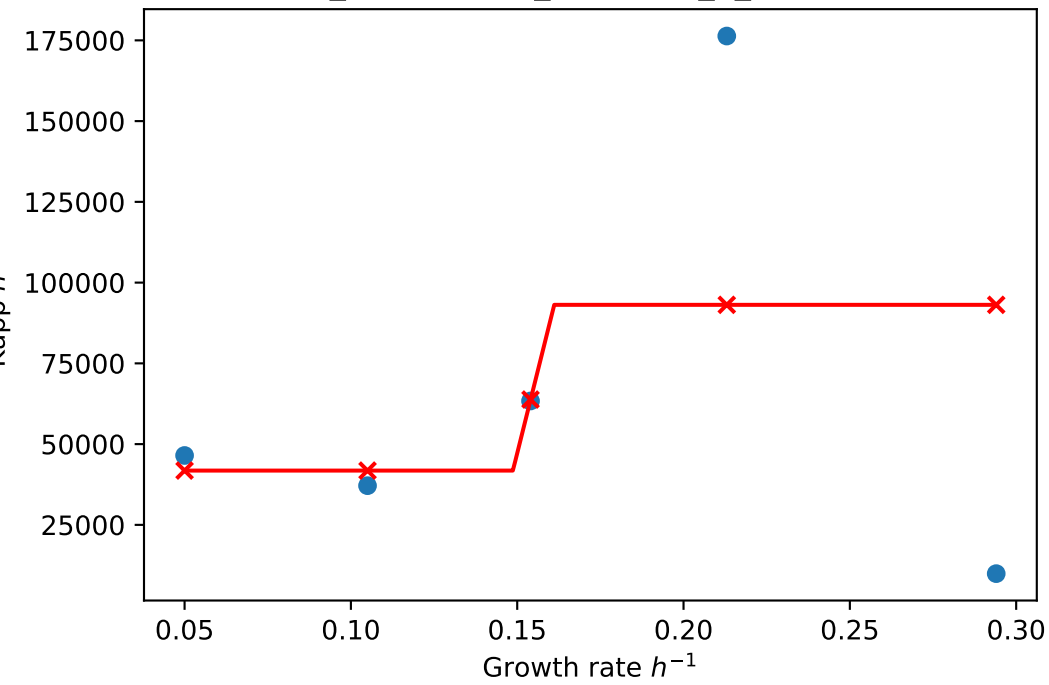
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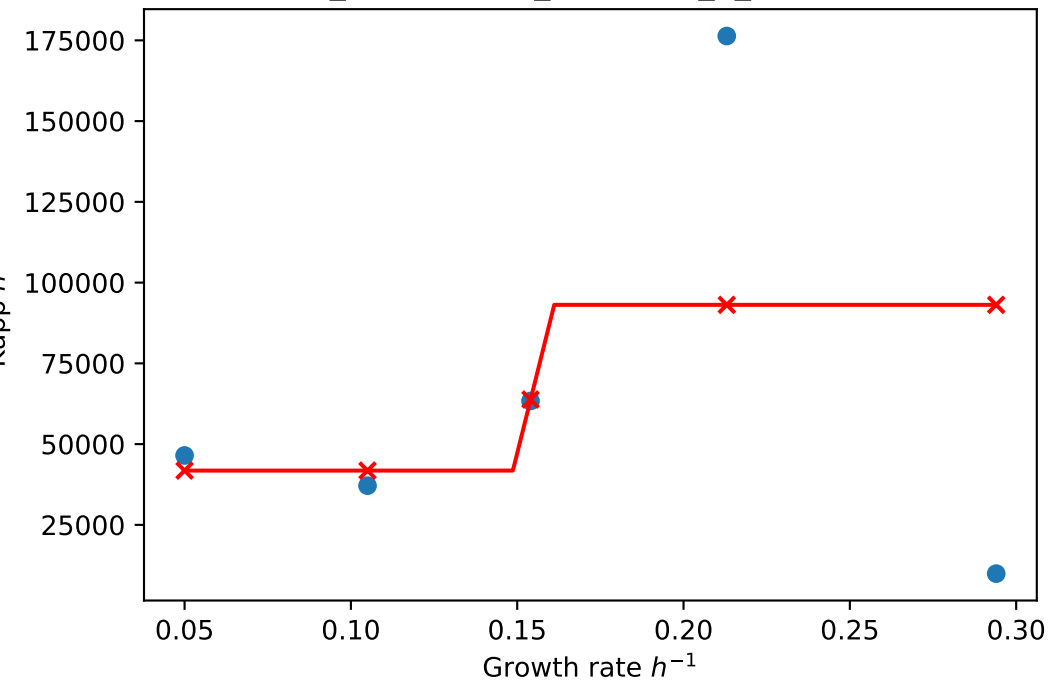
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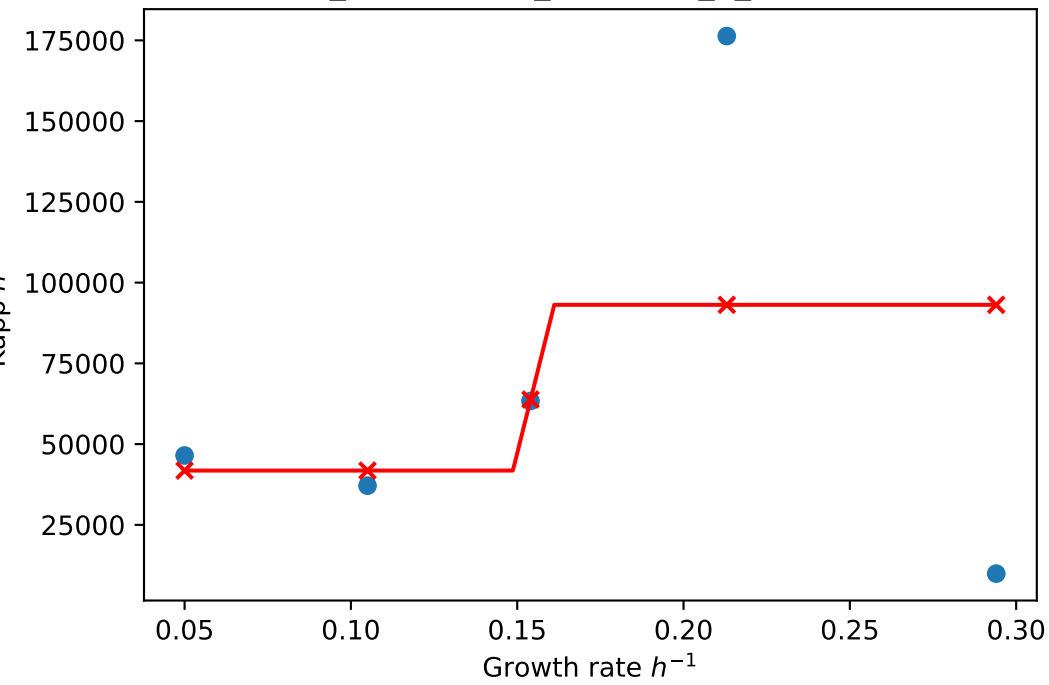
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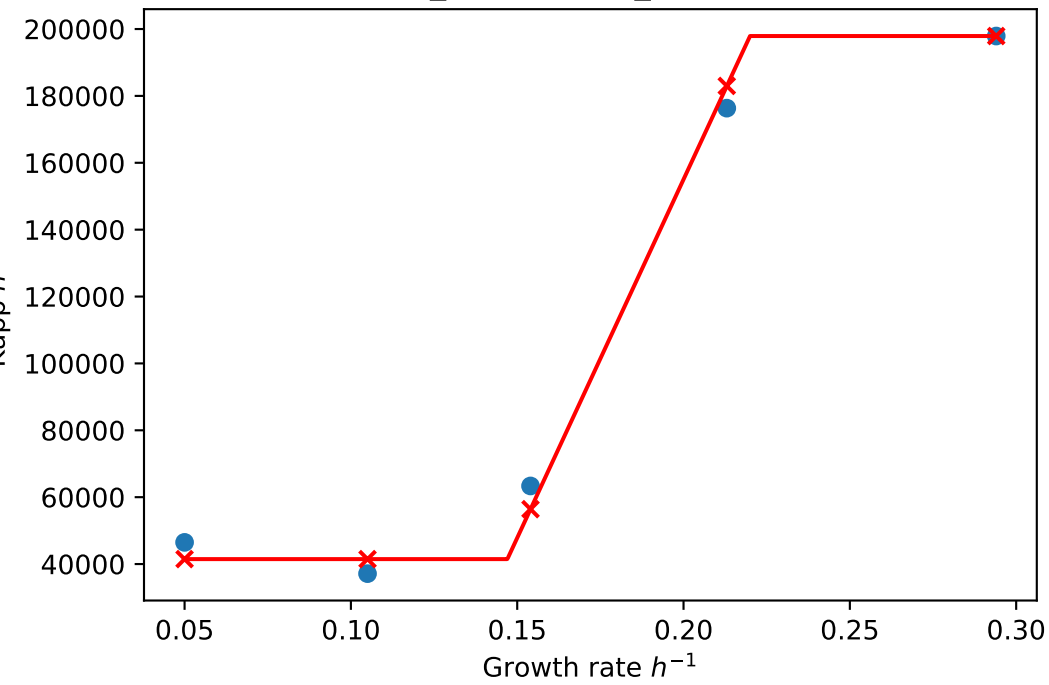
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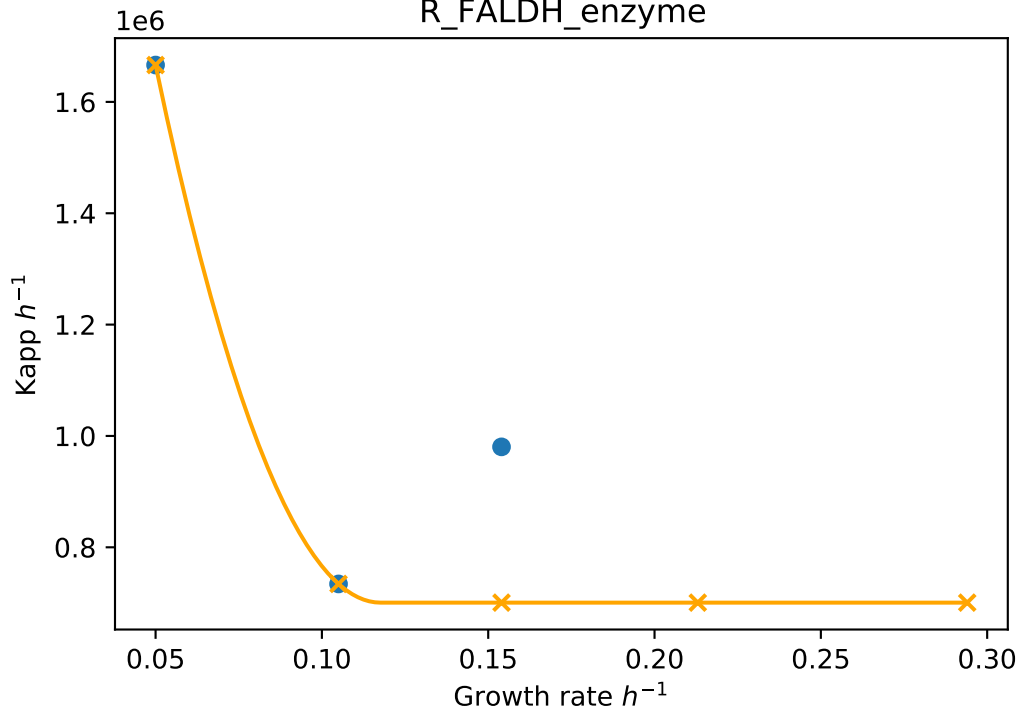
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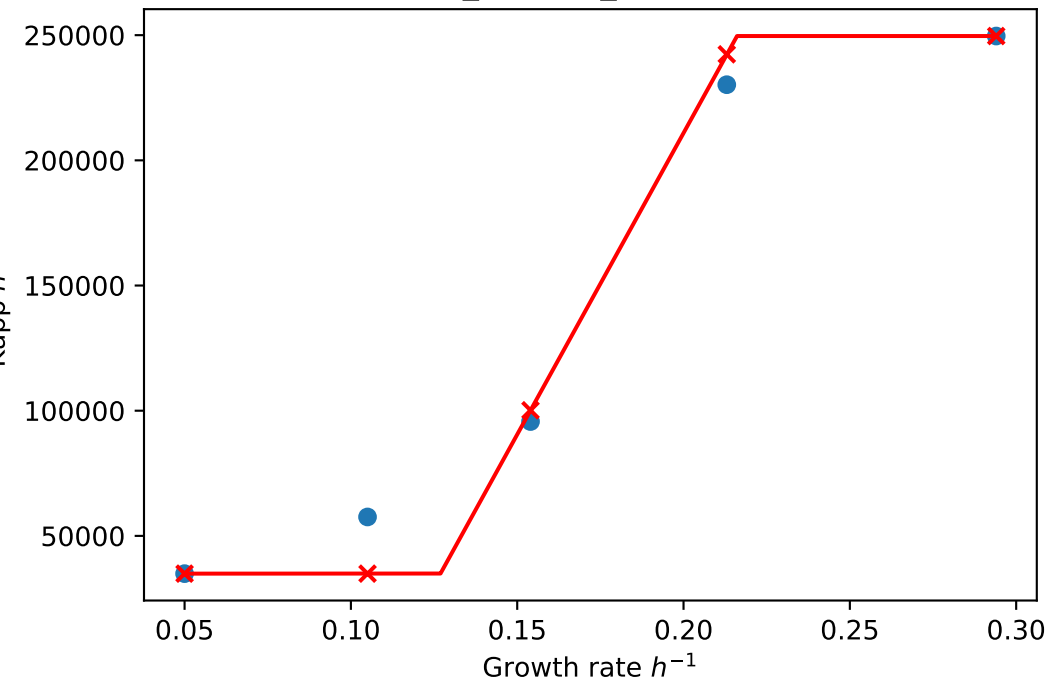
R_FACOAL182_enzyme



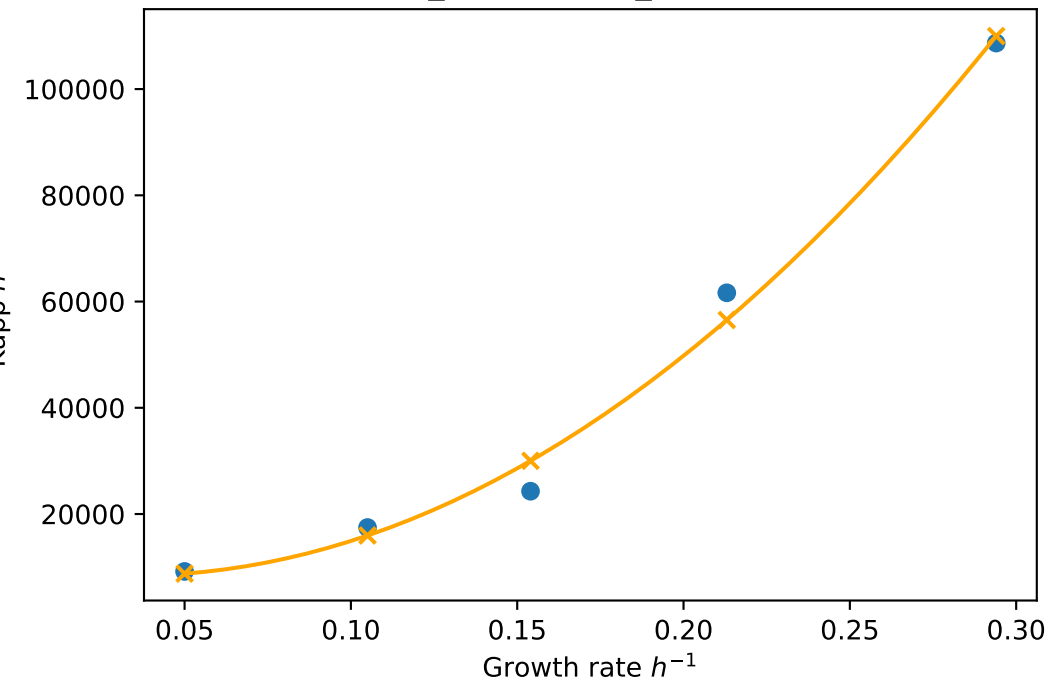
R_FALDH_enzyme



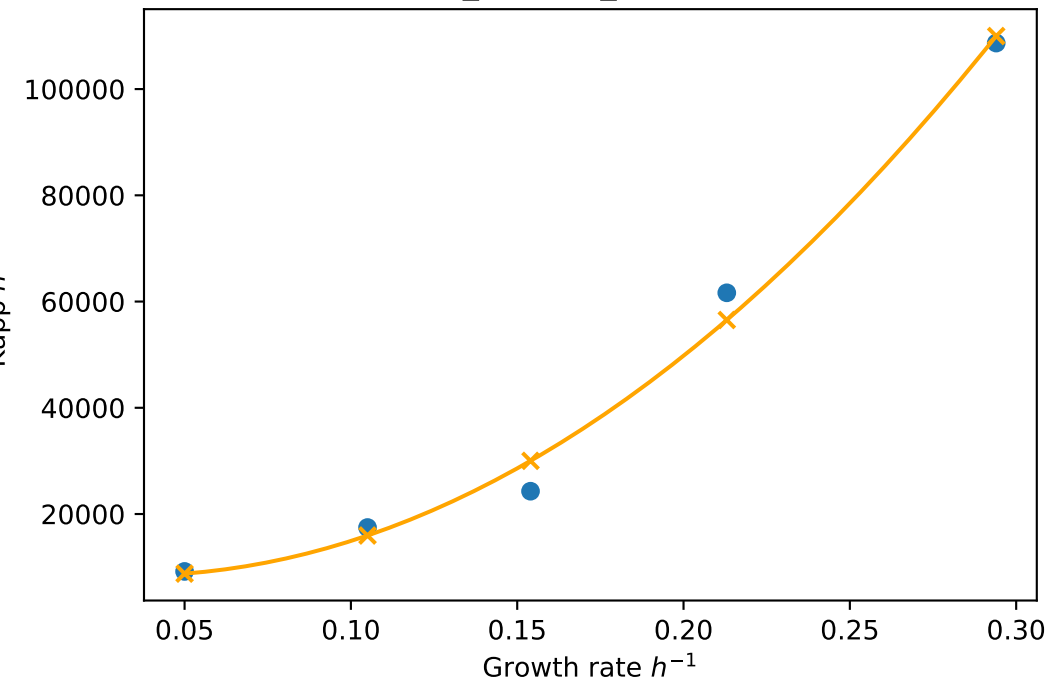
R_FAS100_enzyme



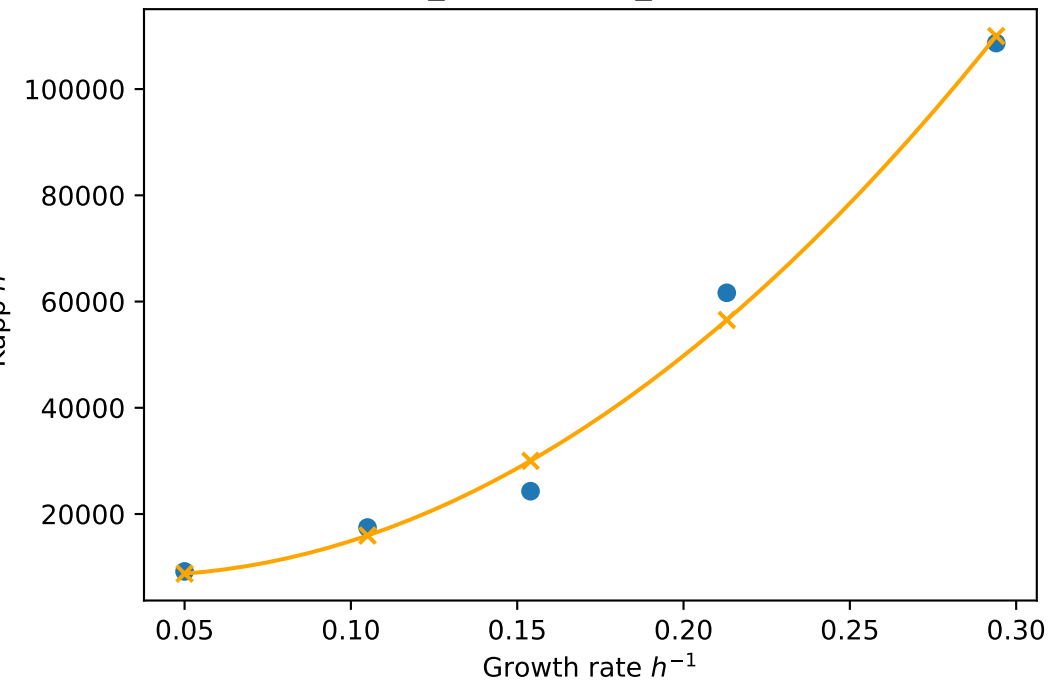
R_FAS100COA_enzyme



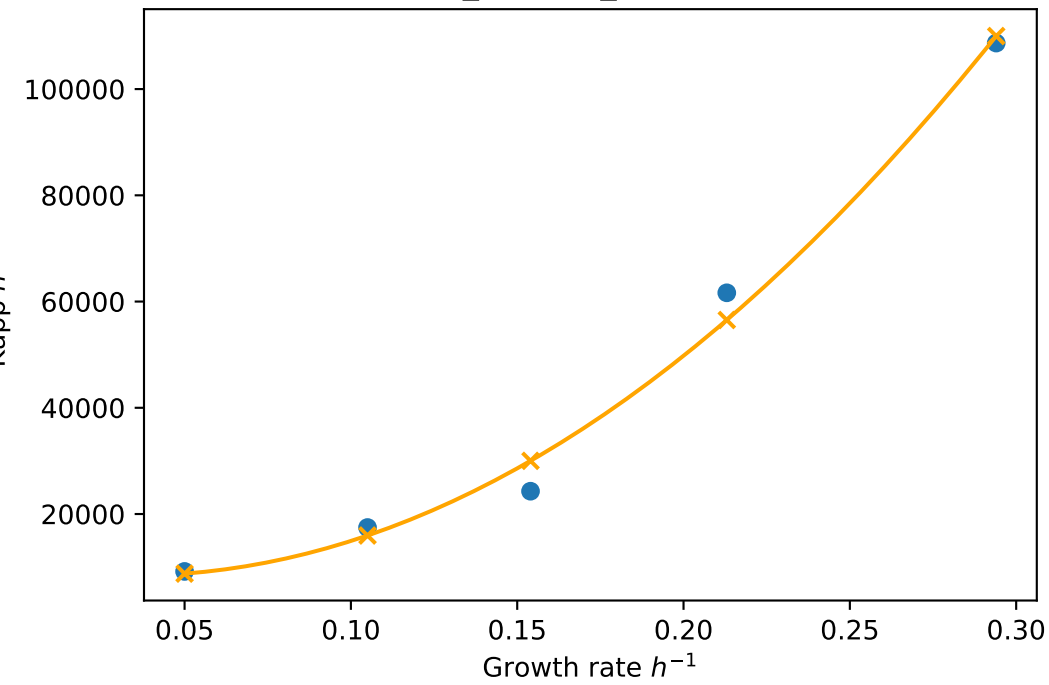
R_FAS120_enzyme



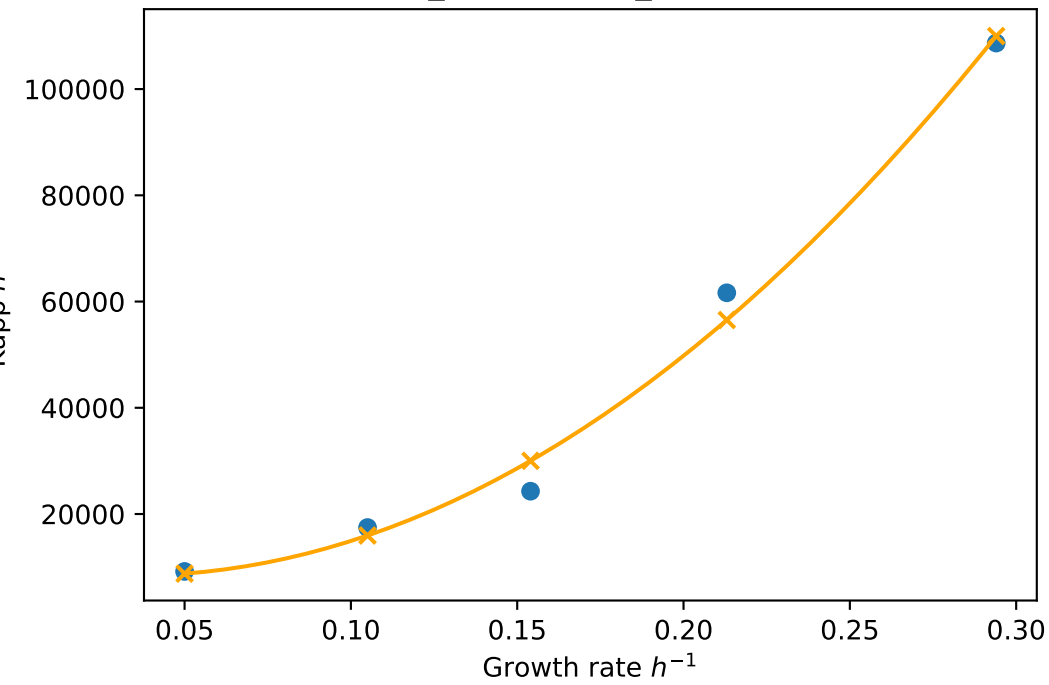
R_FAS120COA_enzyme



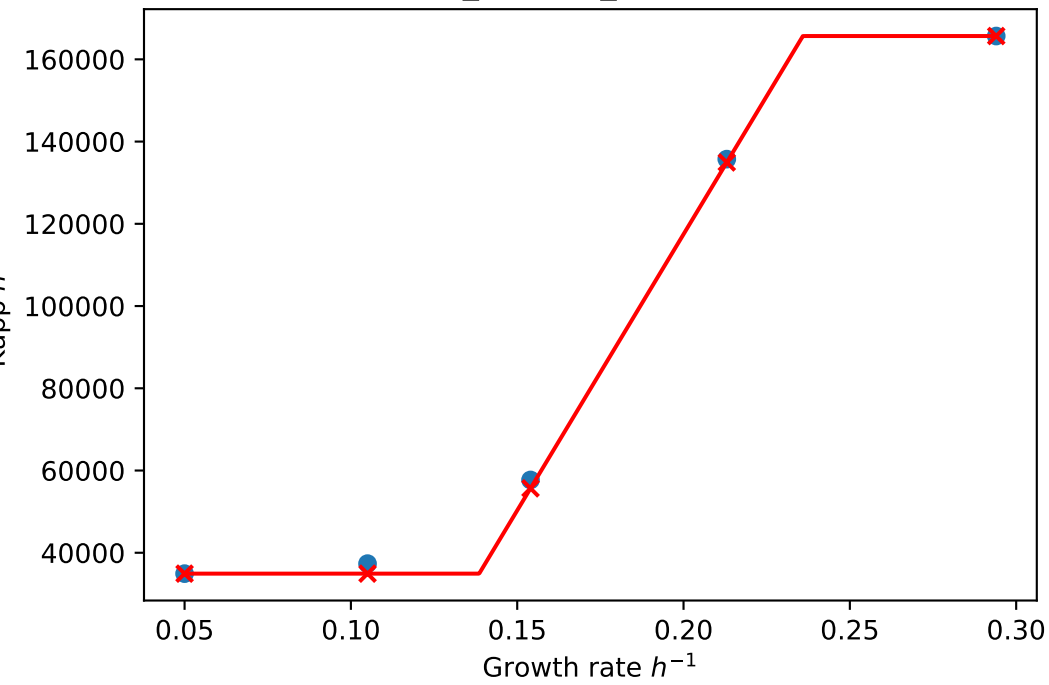
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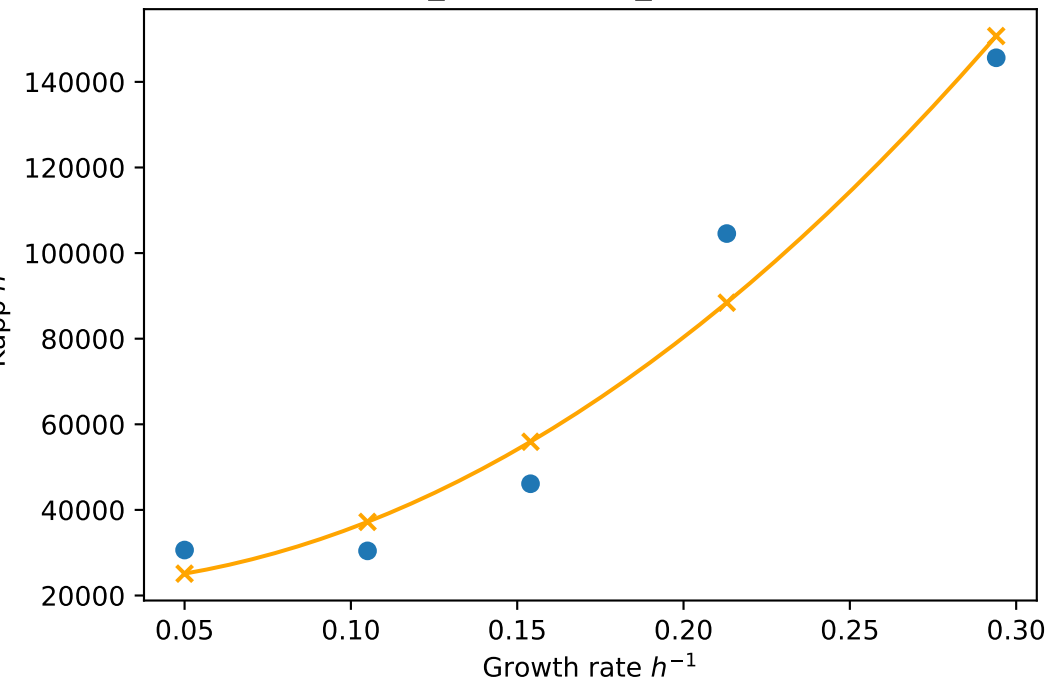
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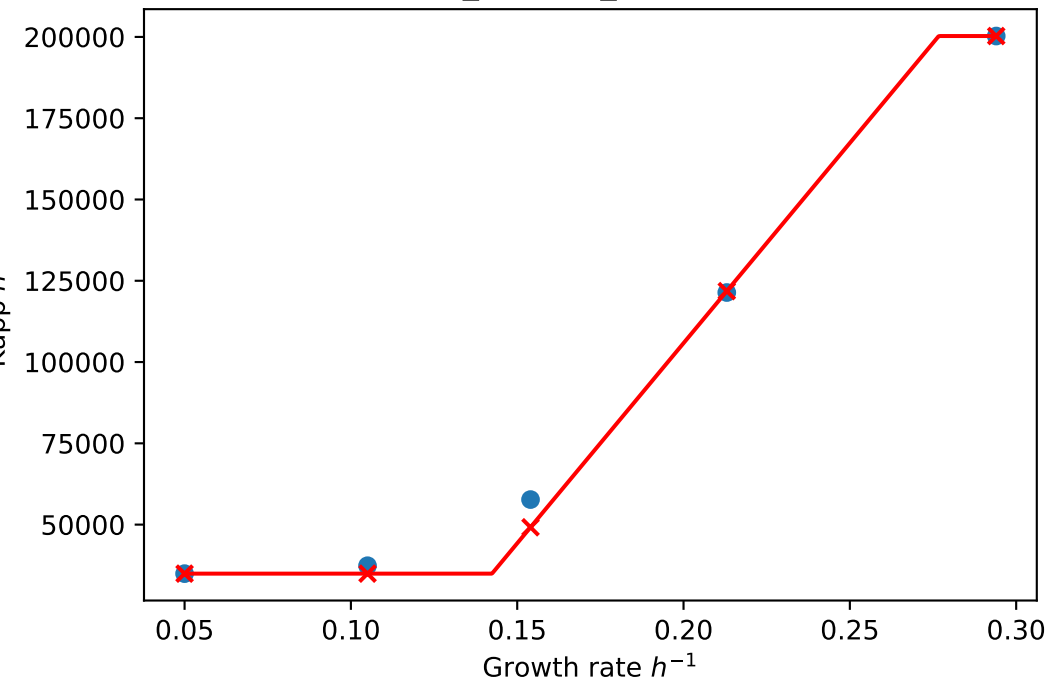
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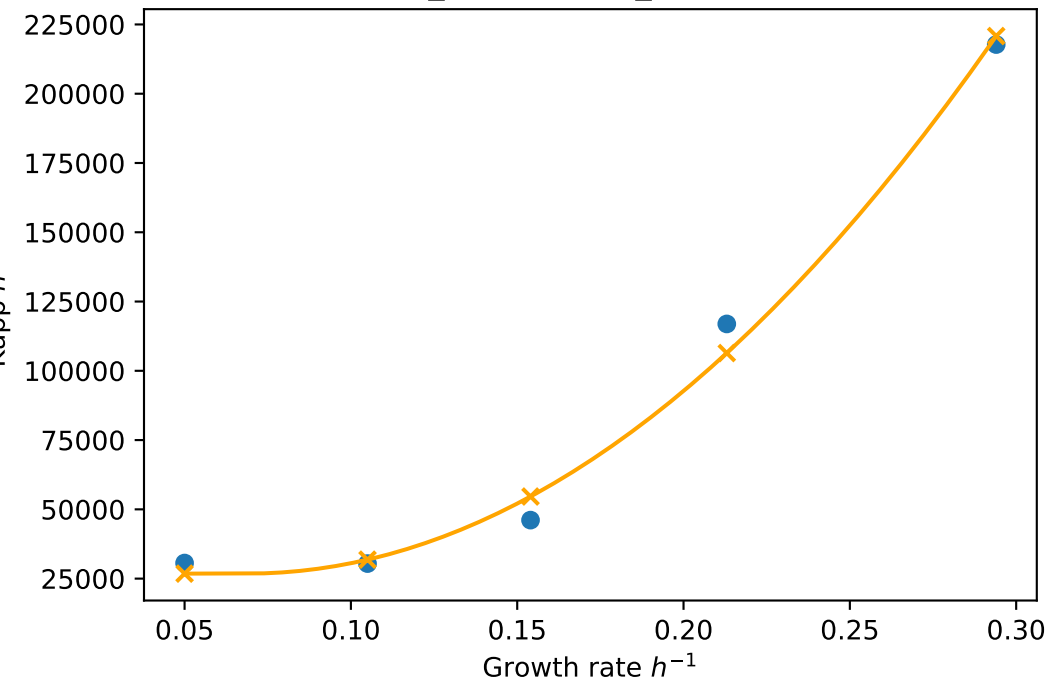
R_FAS160COA_enzyme



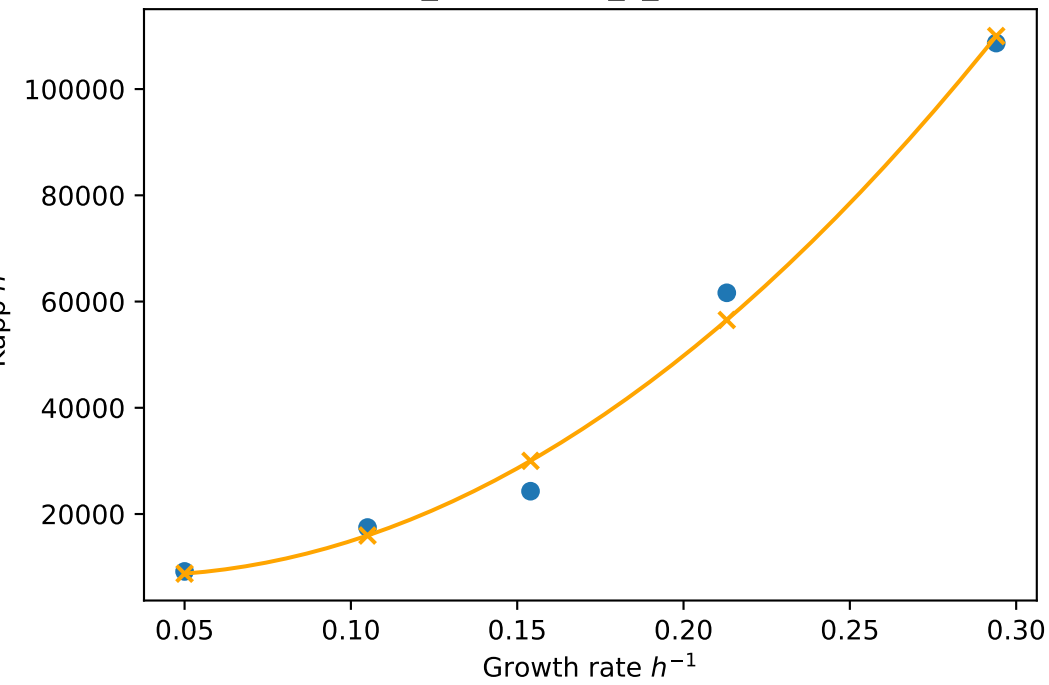
R_FAS180_enzyme



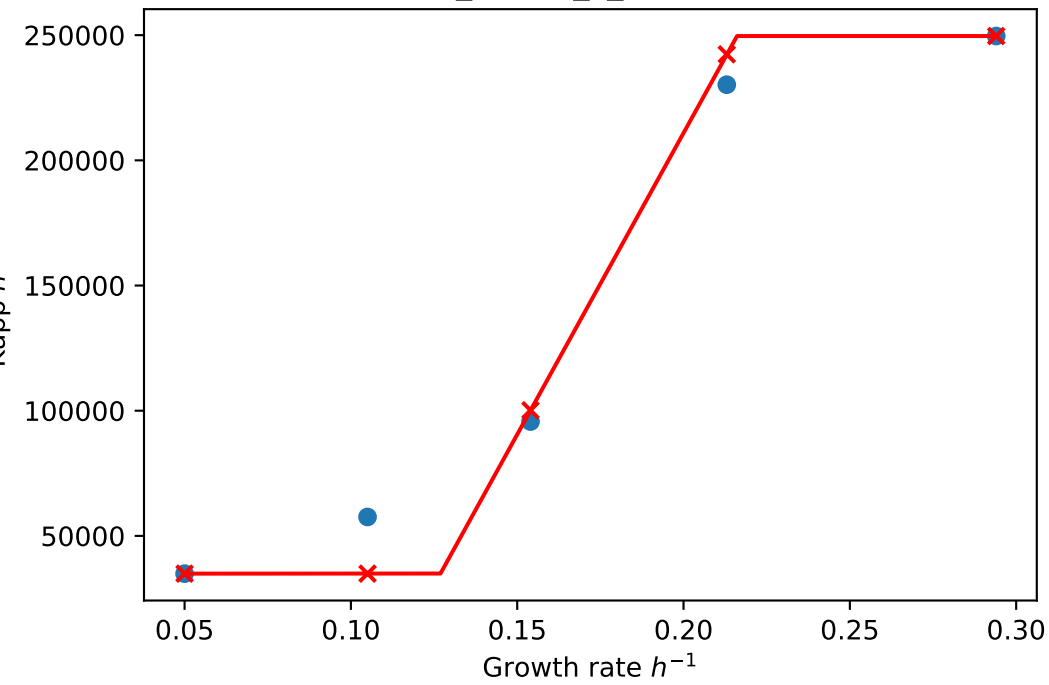
R_FAS180COA_enzyme



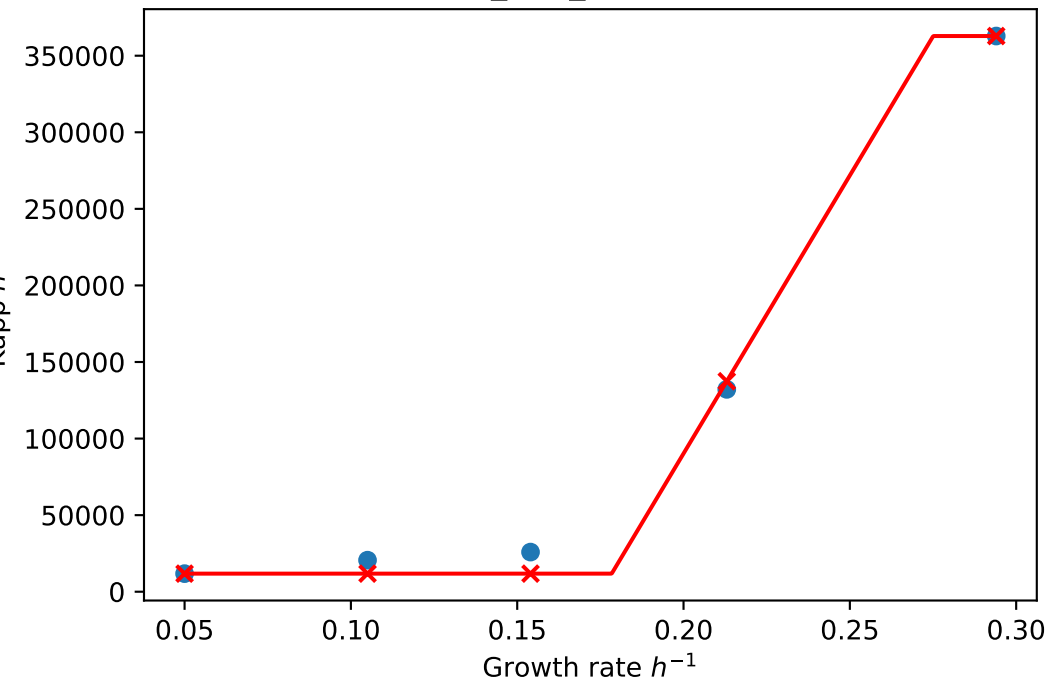
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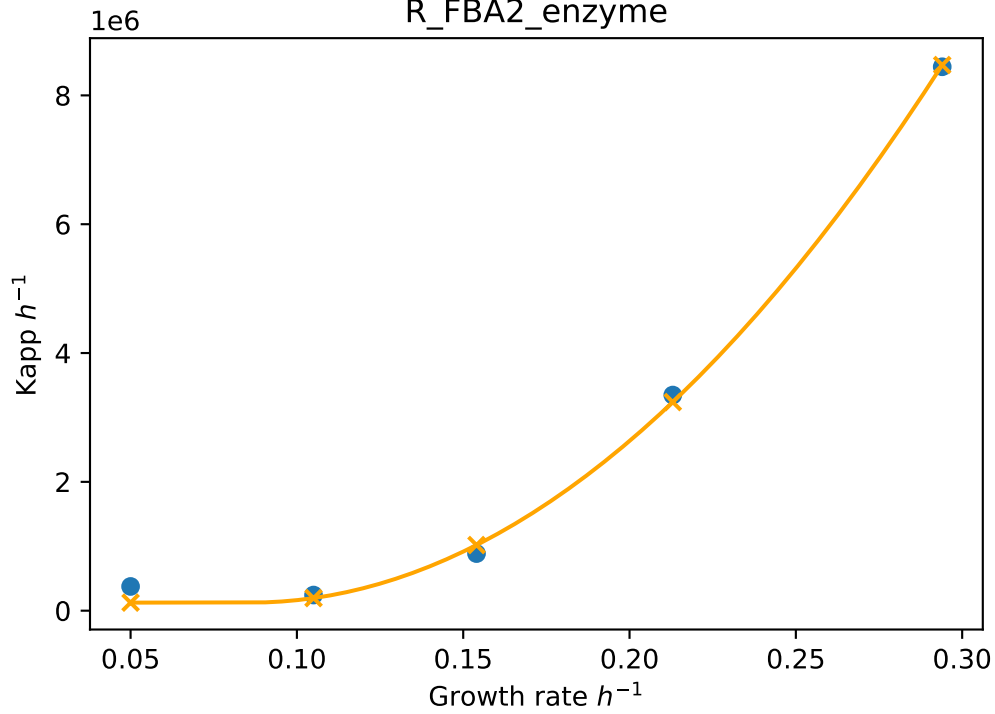
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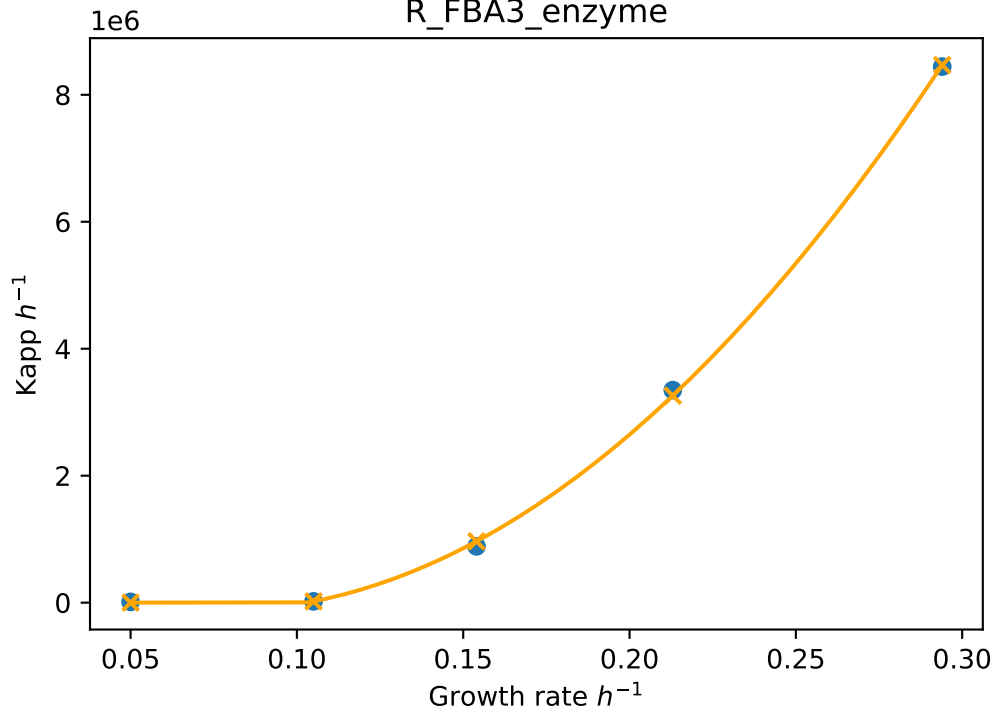
R_FBA_enzyme



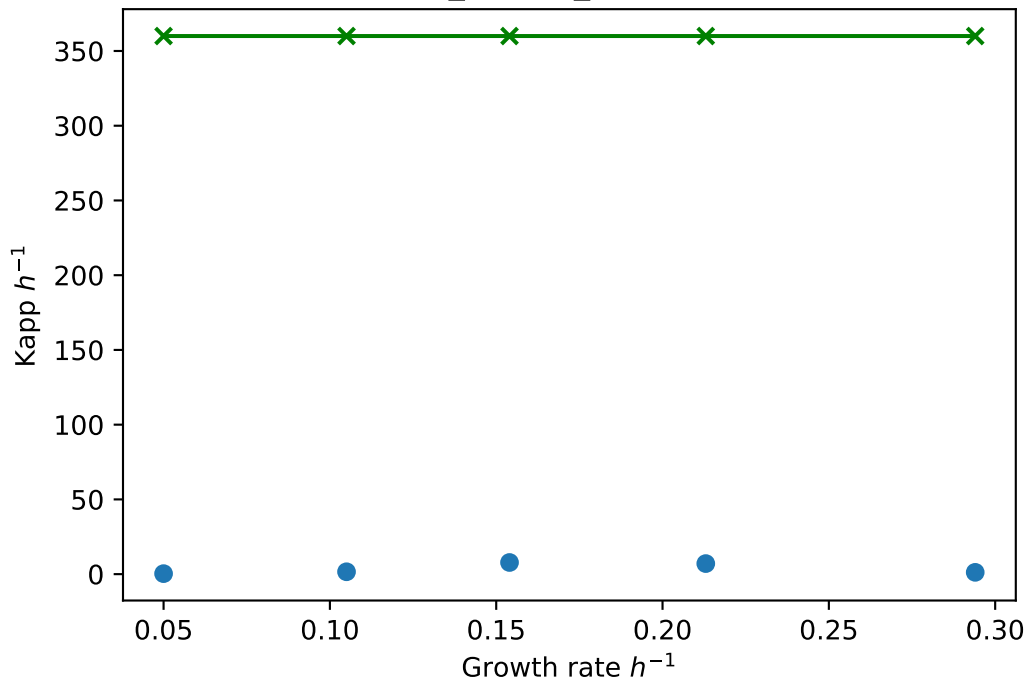
R_FBA2_enzyme



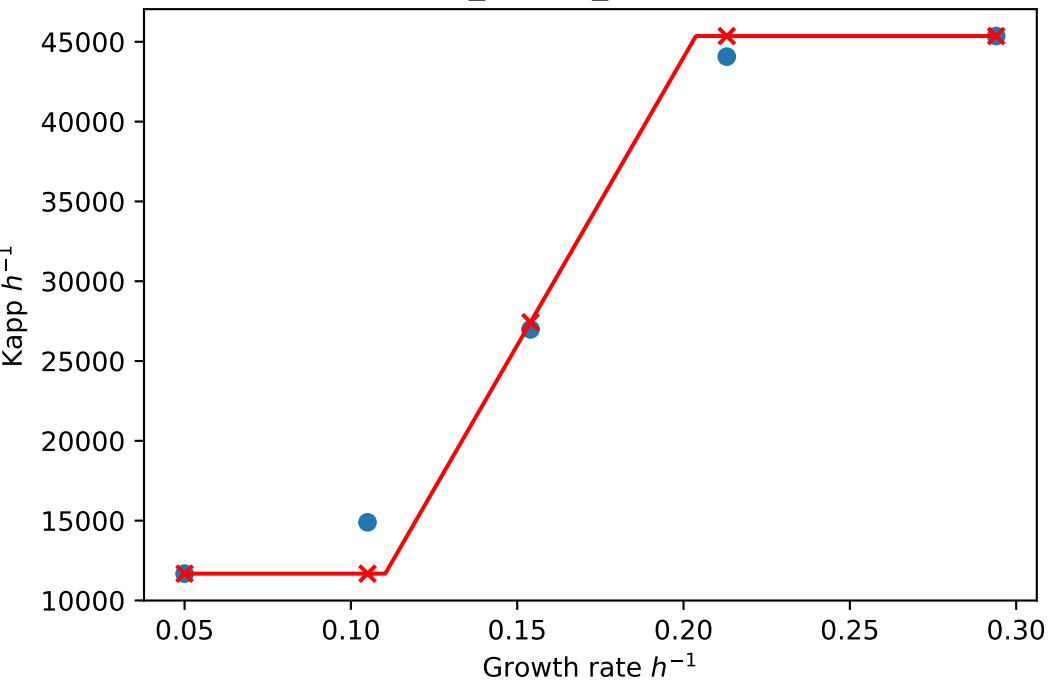
R_FBA3_enzyme



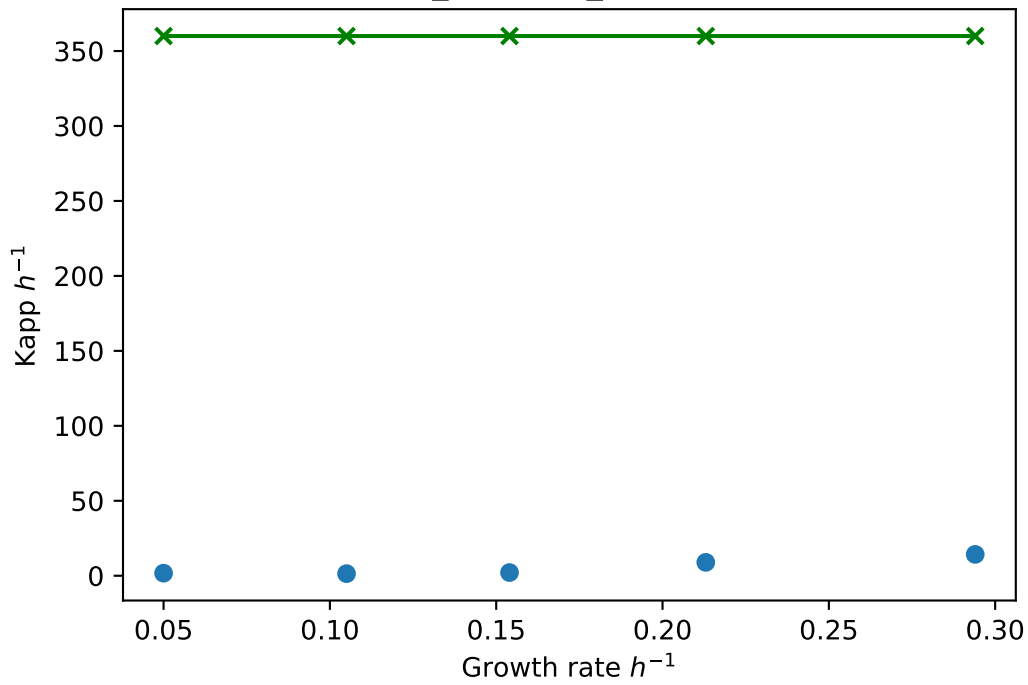
R_FCLTm_enzyme



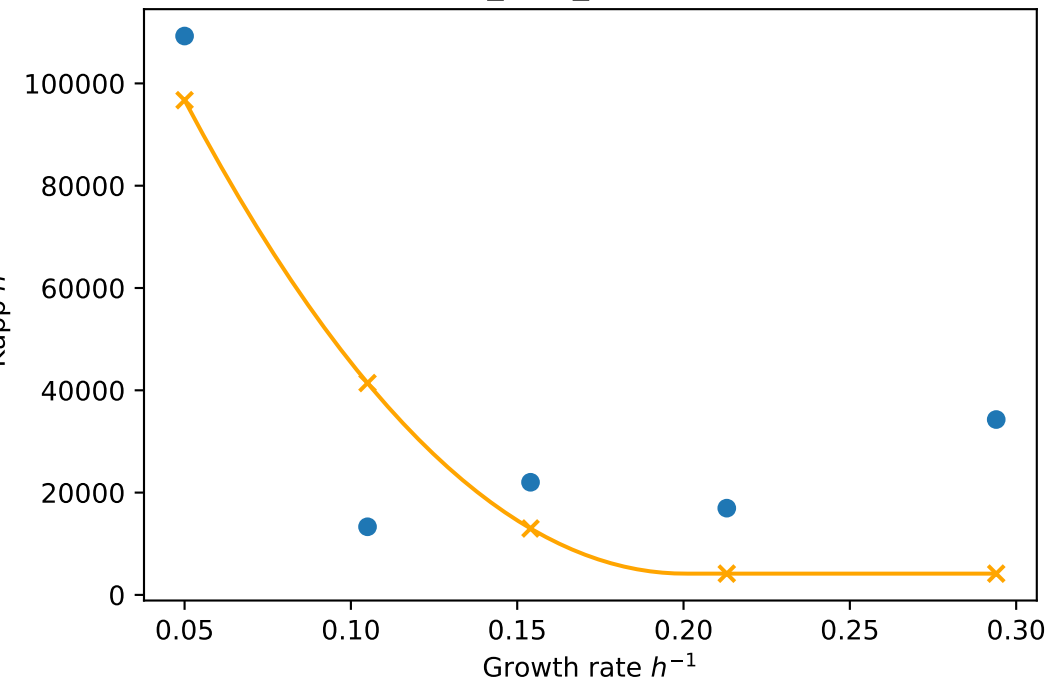
R_FTHFLi_enzyme



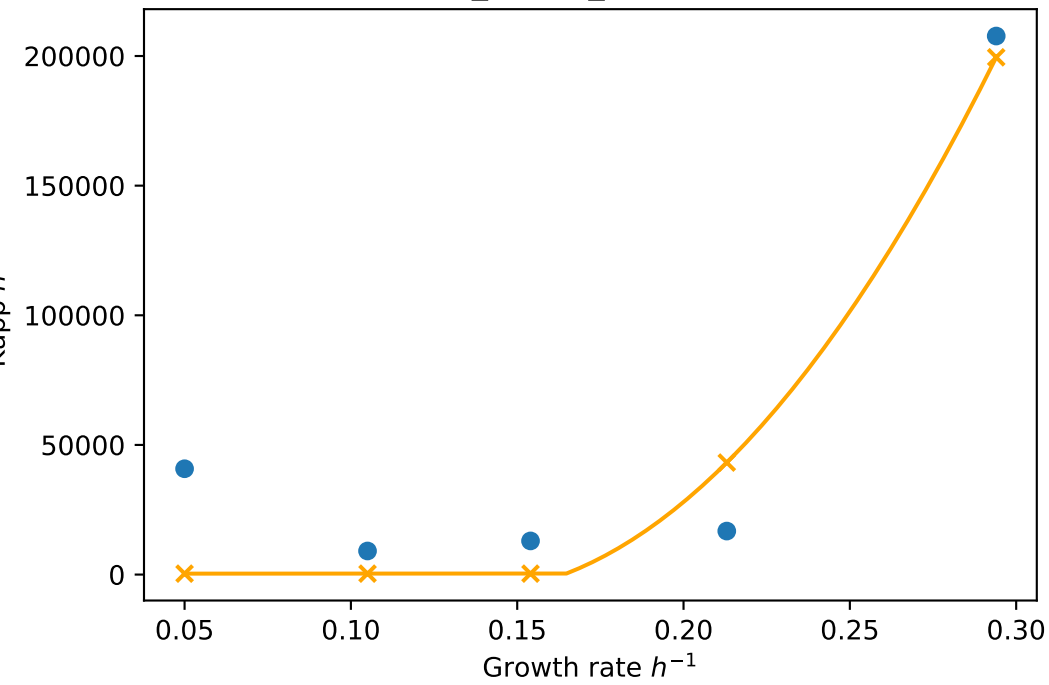
R_FTHFLmi_enzyme



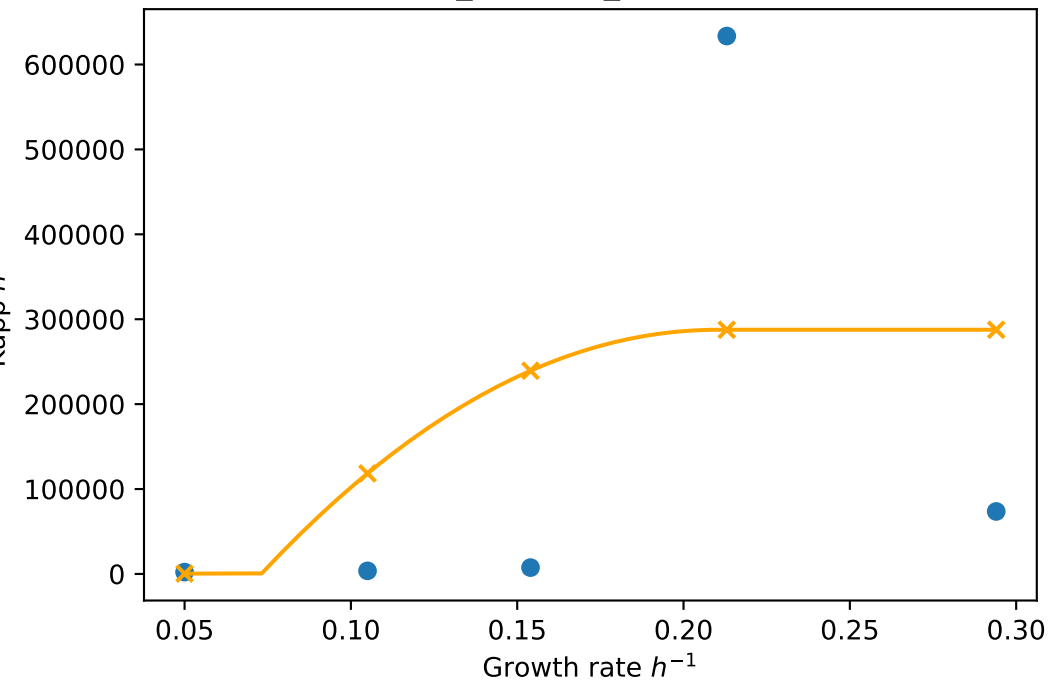
R_FUM_enzyme



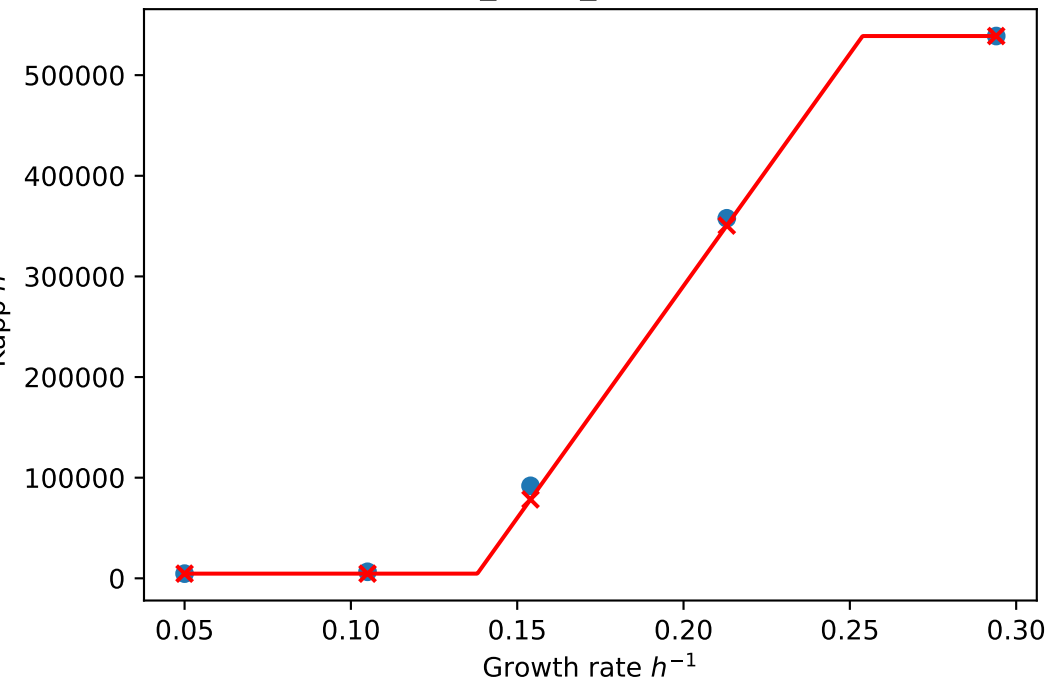
R_FUMm_enzyme



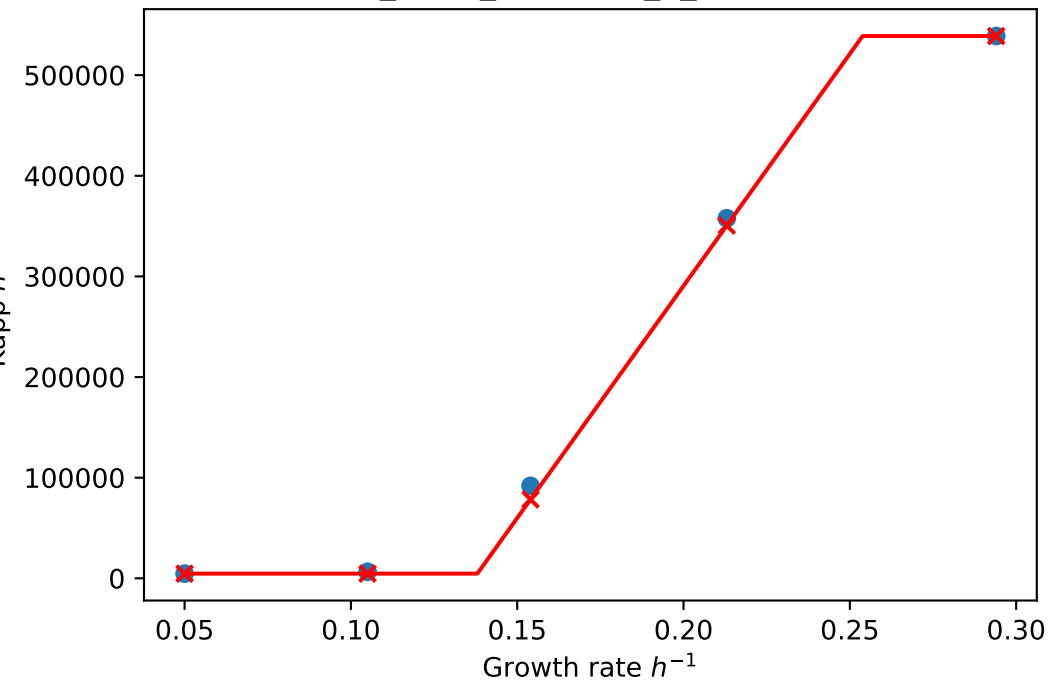
R_G3PD1ir_enzyme



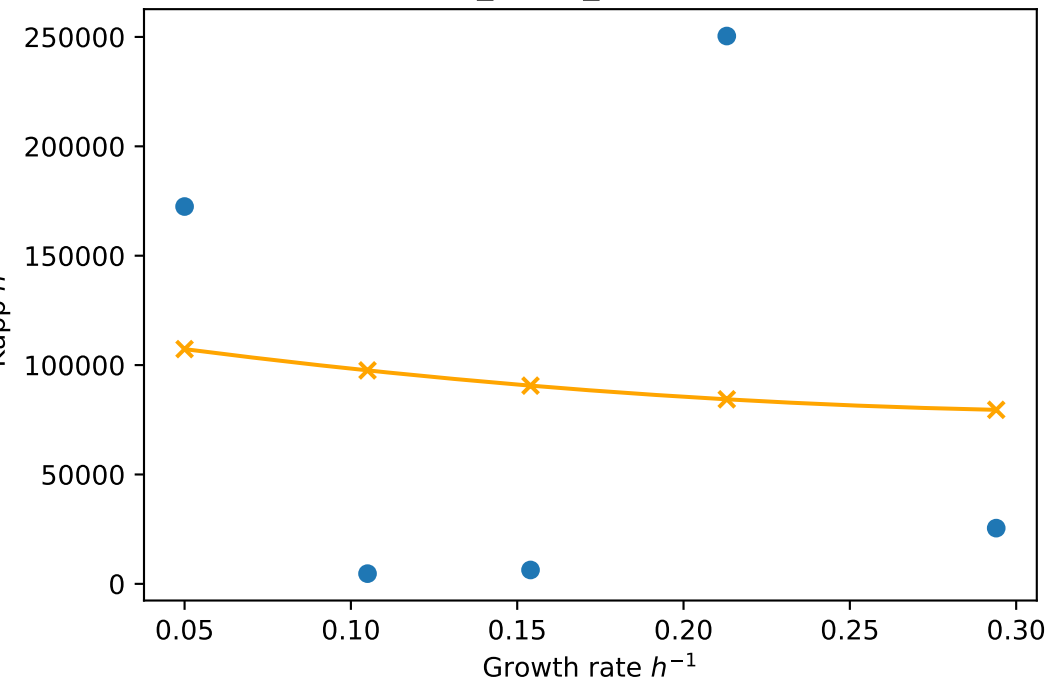
R_G3PT_enzyme



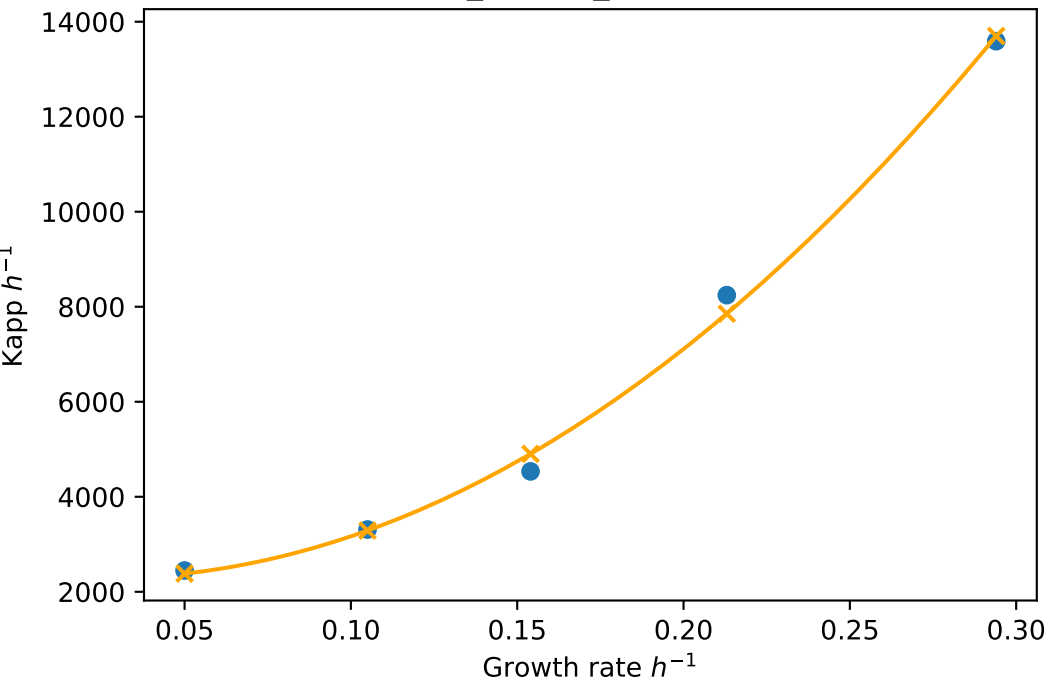
R_G3PT_duplicate_2_enzyme



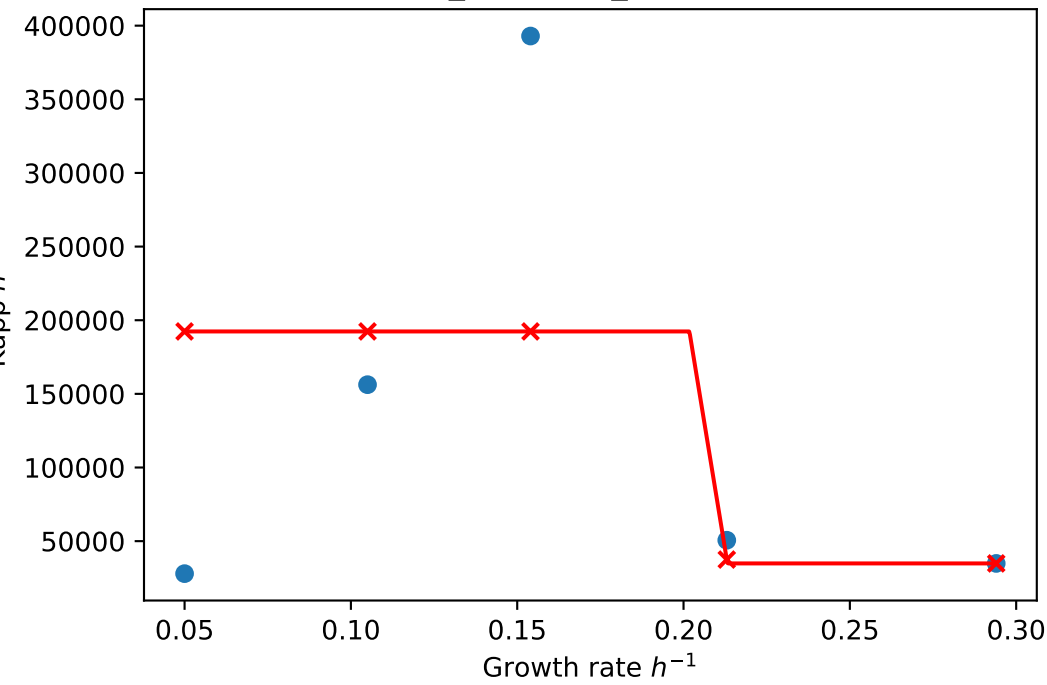
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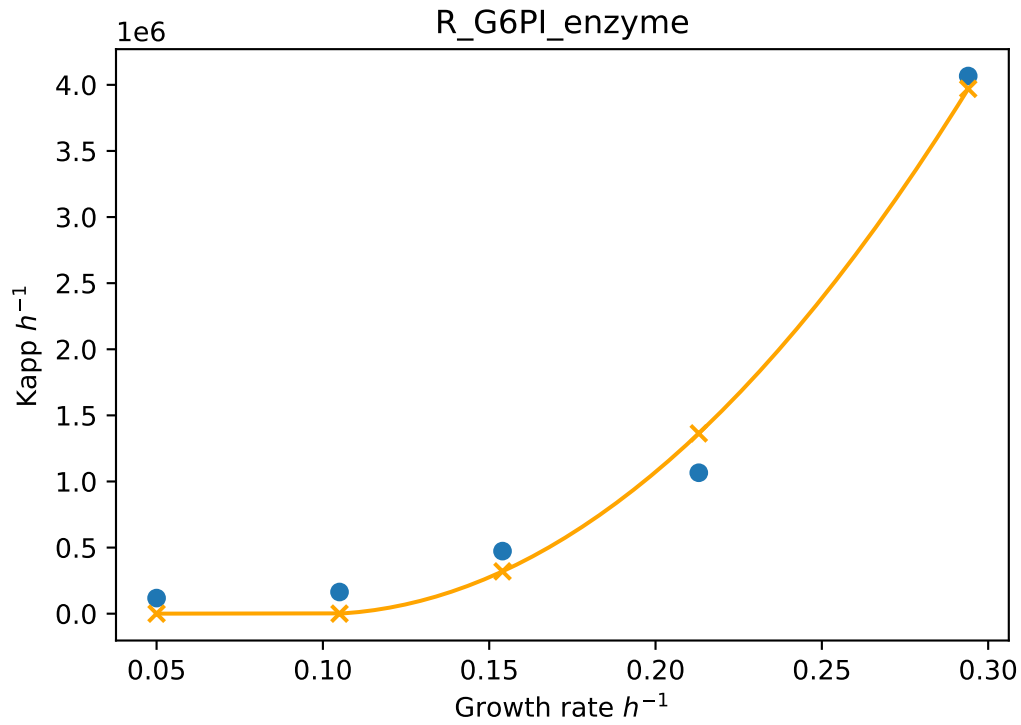


R_G5SD2_enzyme

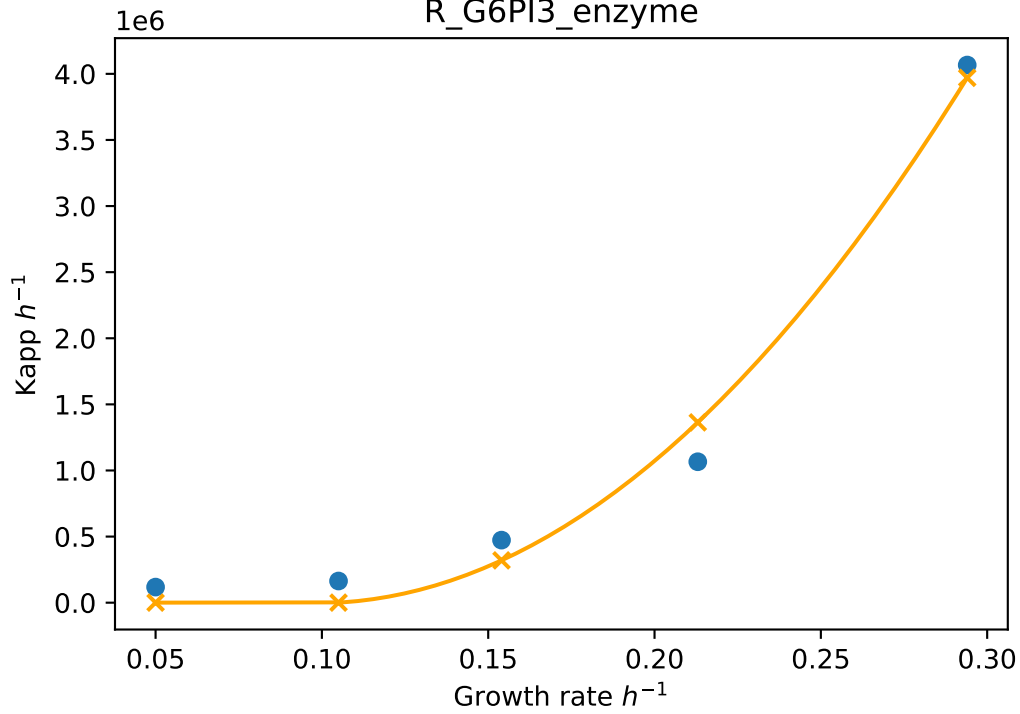


R_G6PDH2r_enzyme

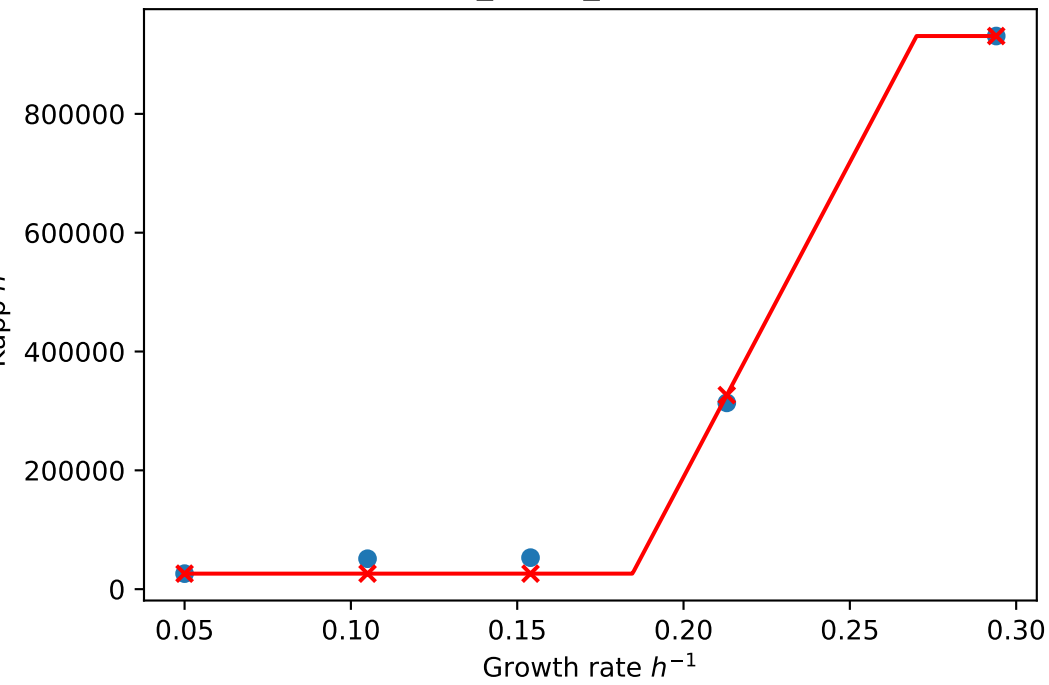




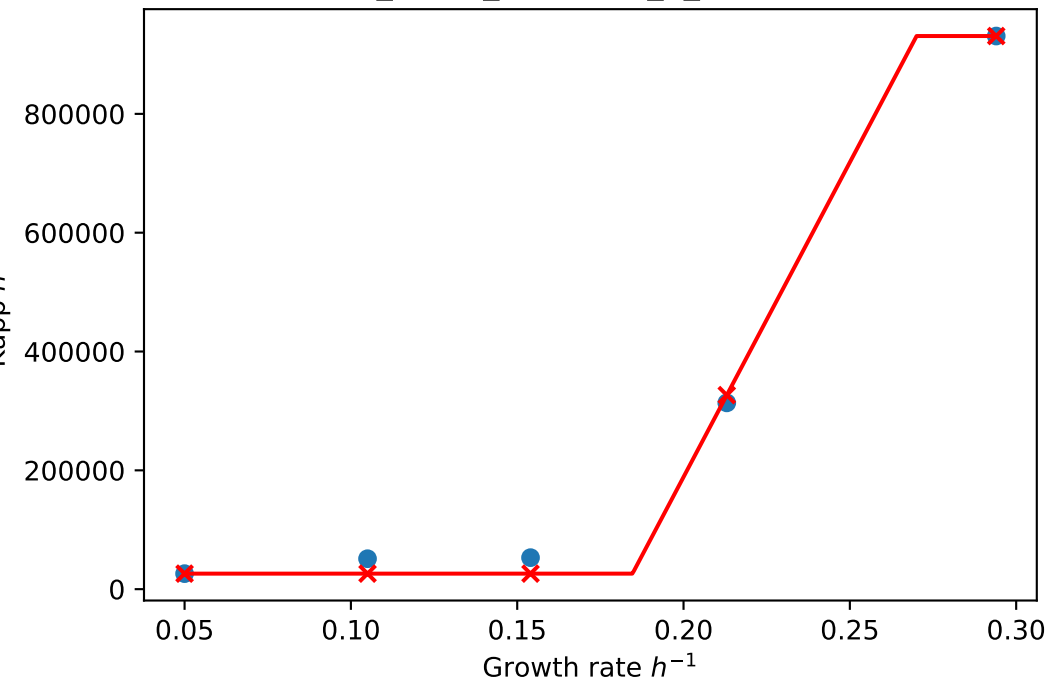
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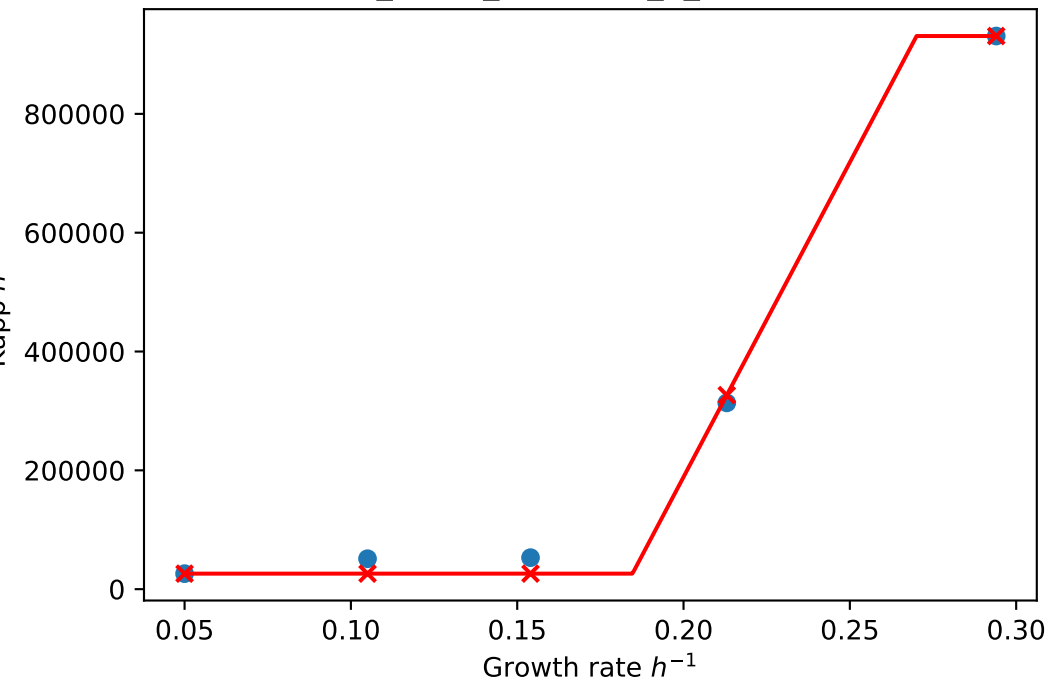
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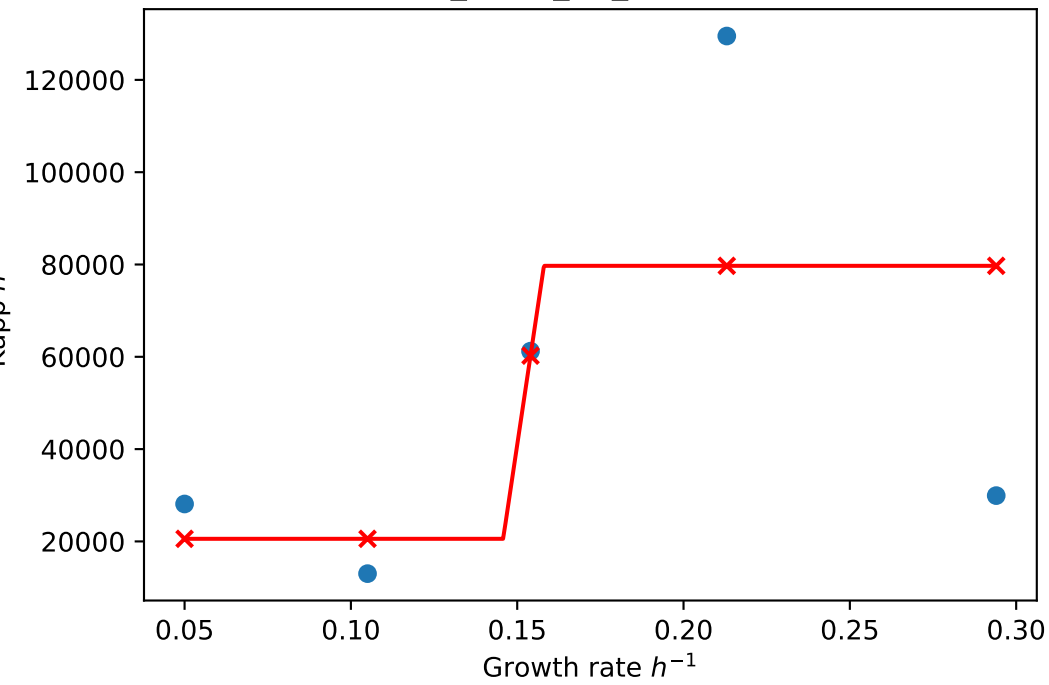
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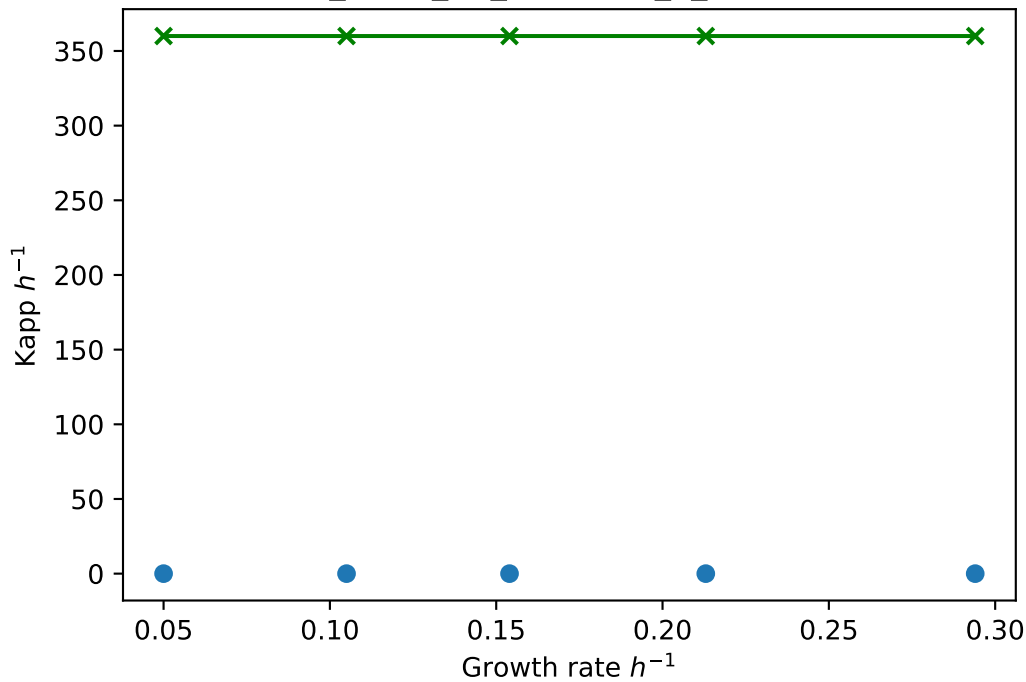
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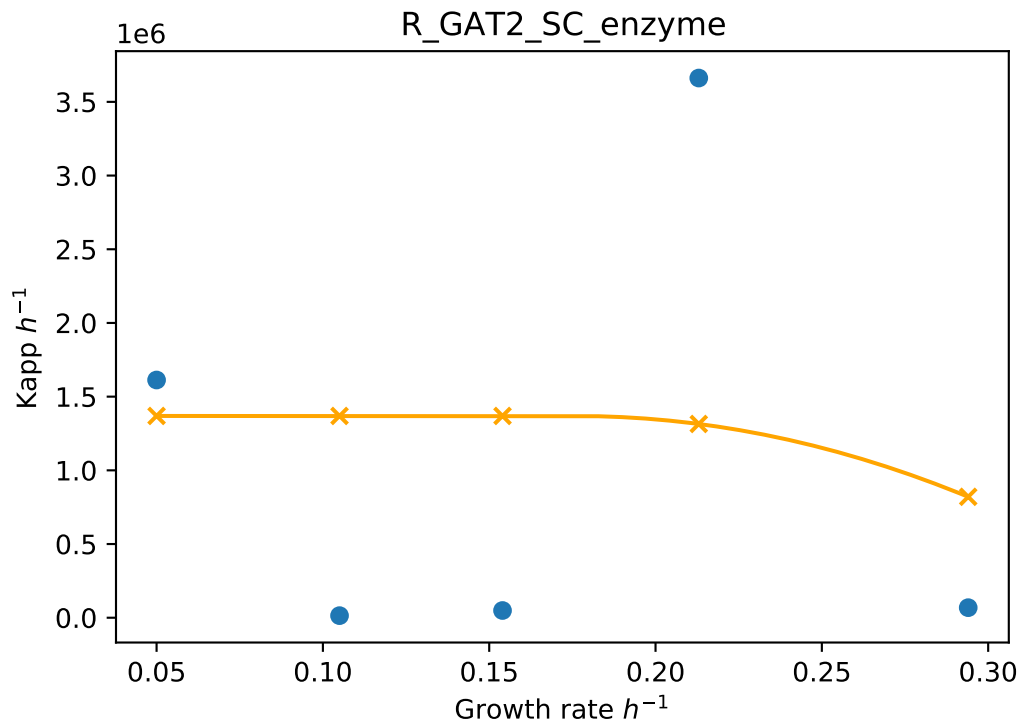


R_GAT1_SC_enzyme

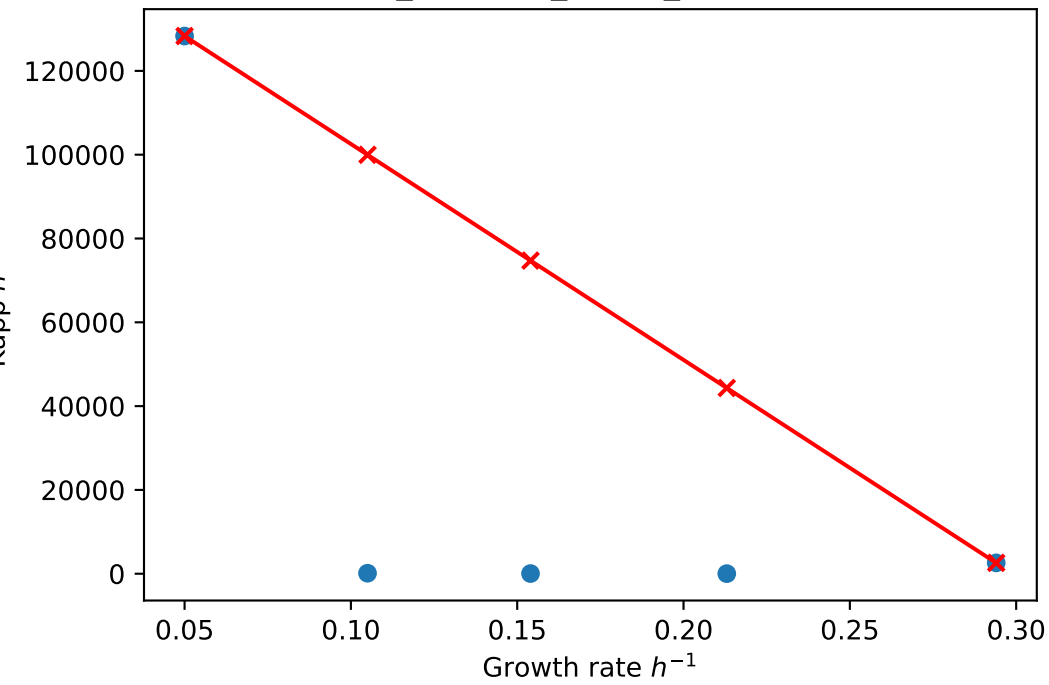


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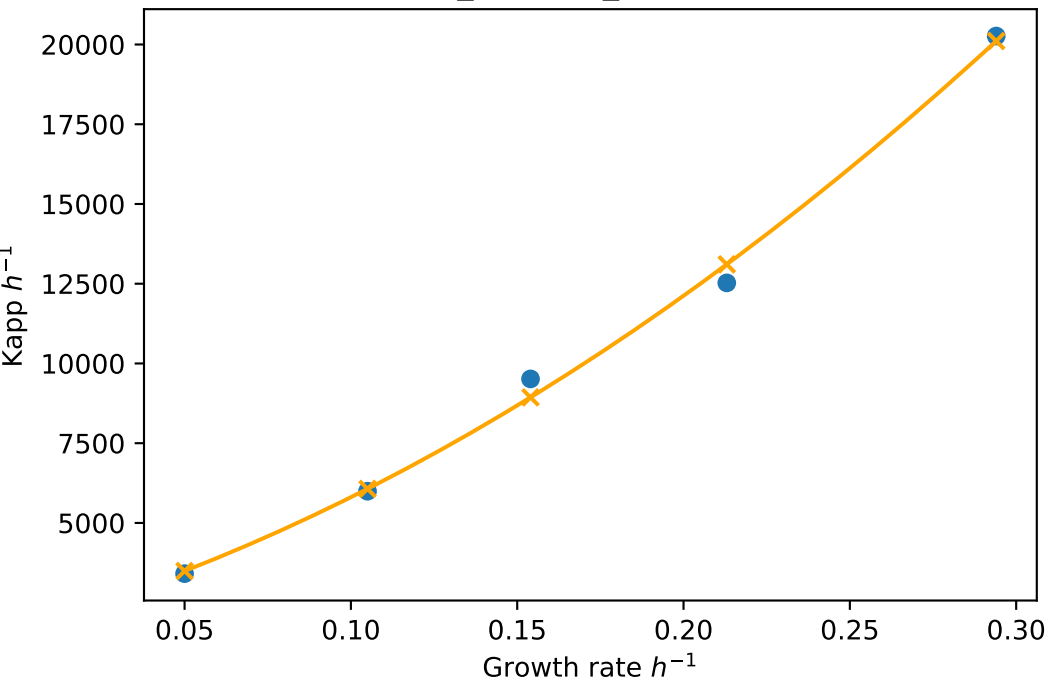




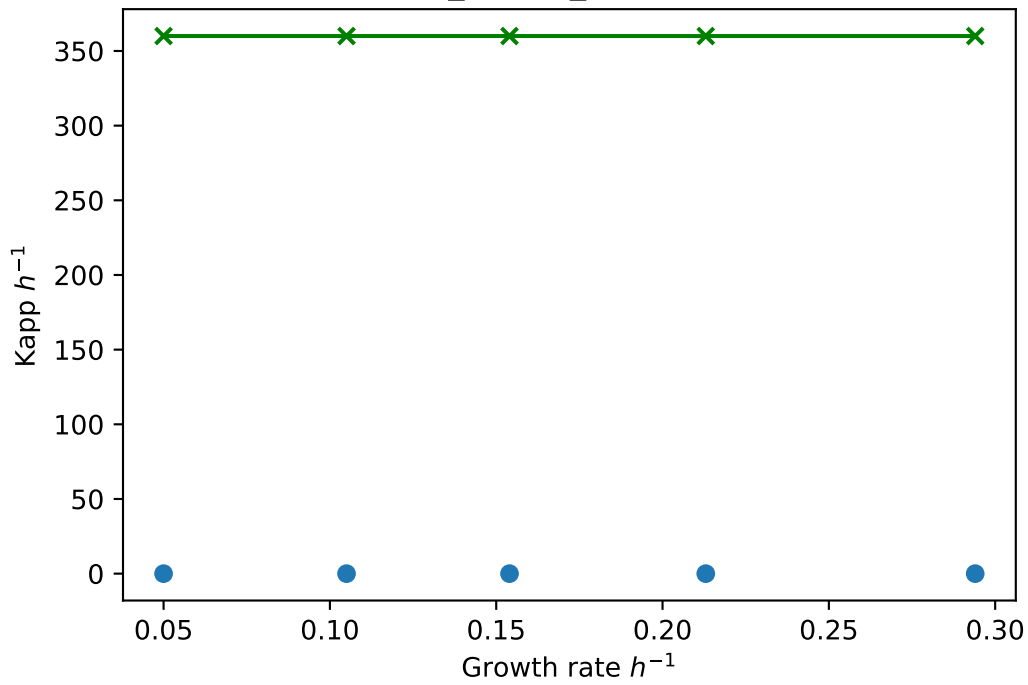
R_GCC2cm_copy2_enzyme



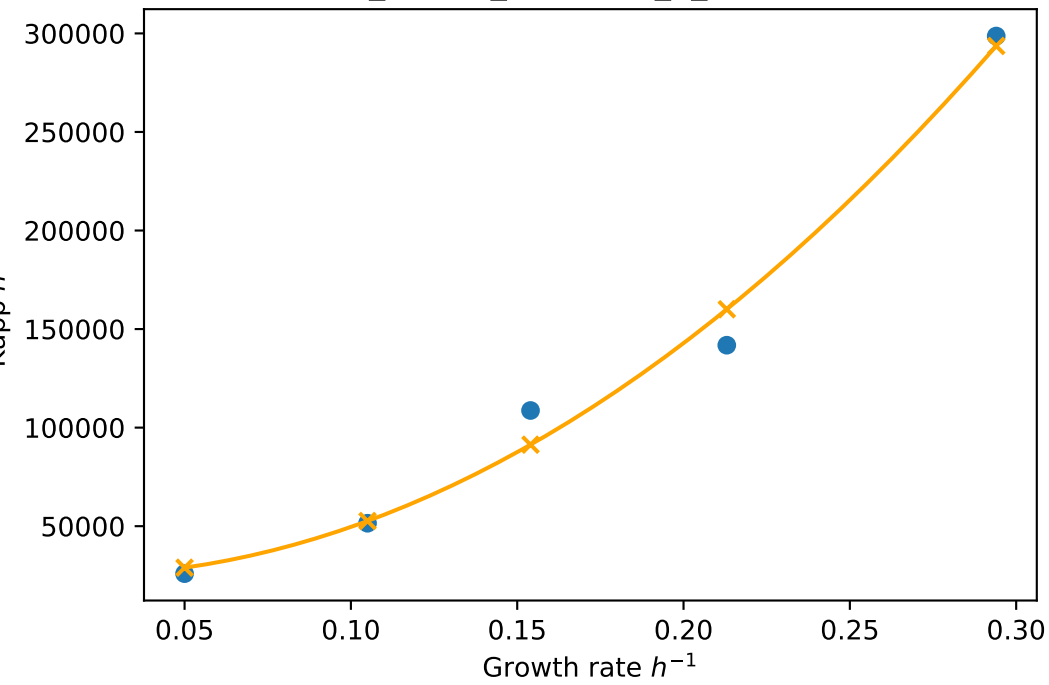
R_GHMT2r_enzyme



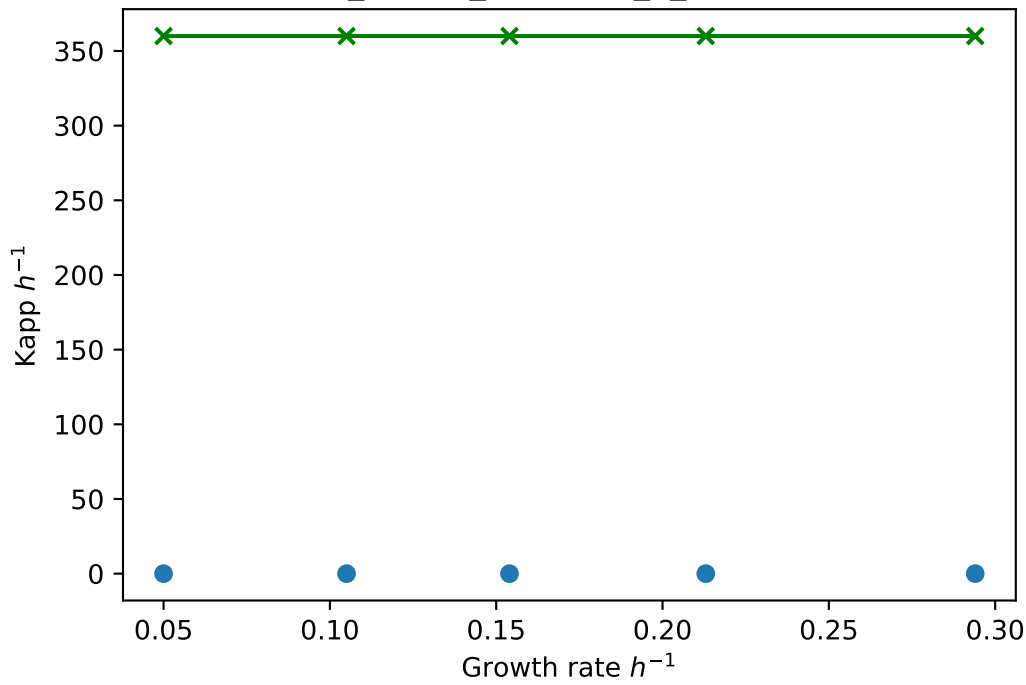
R_GLCS2_enzyme



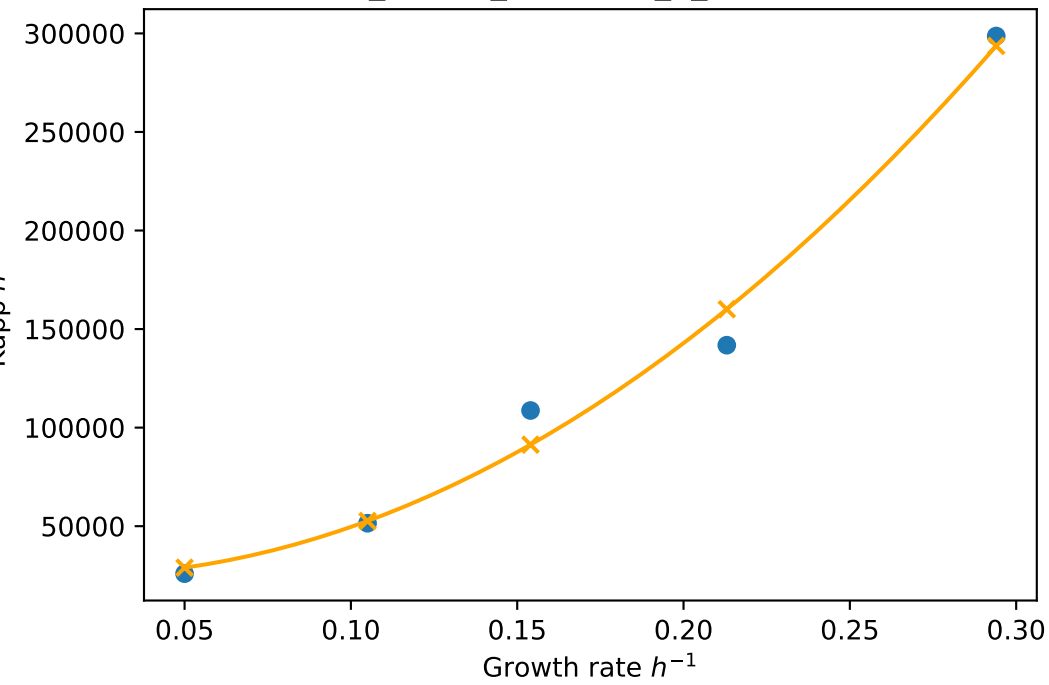
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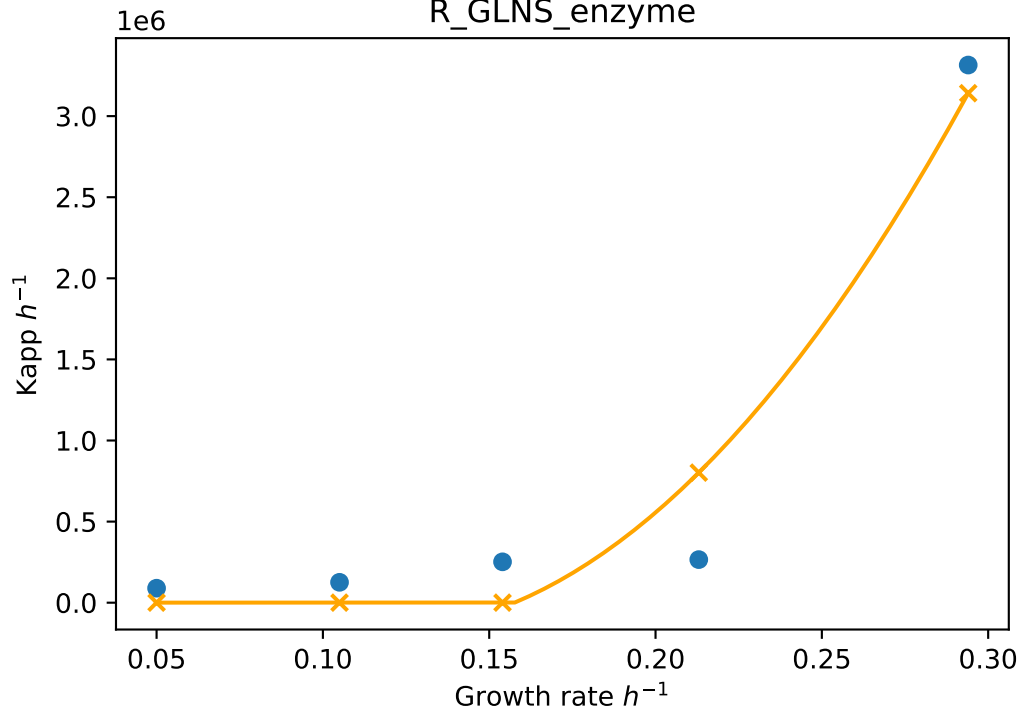
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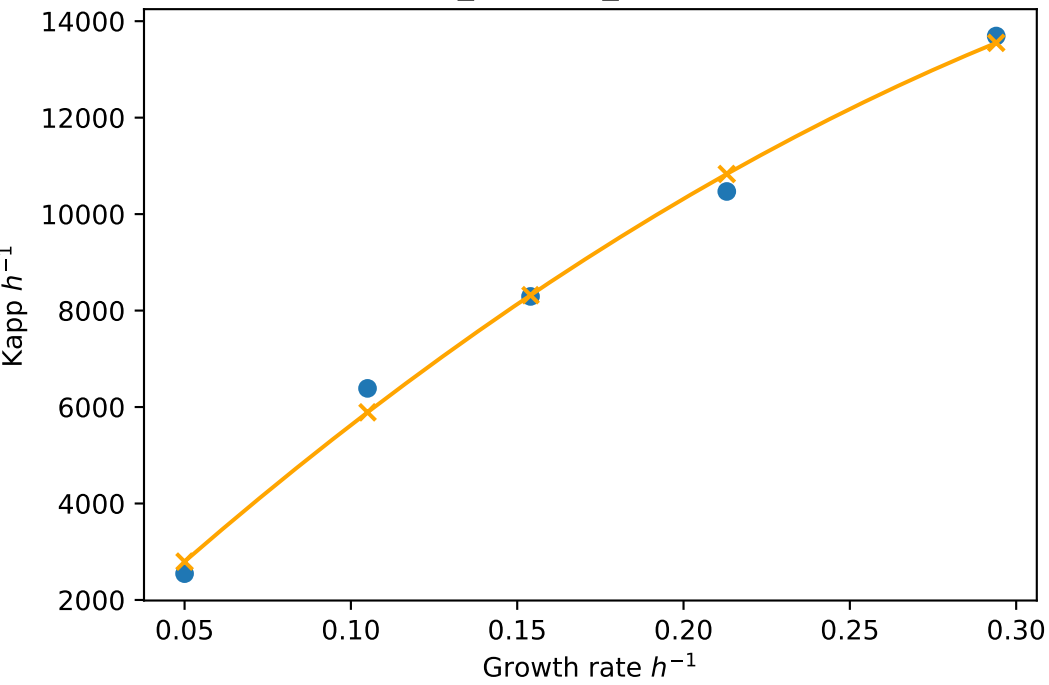
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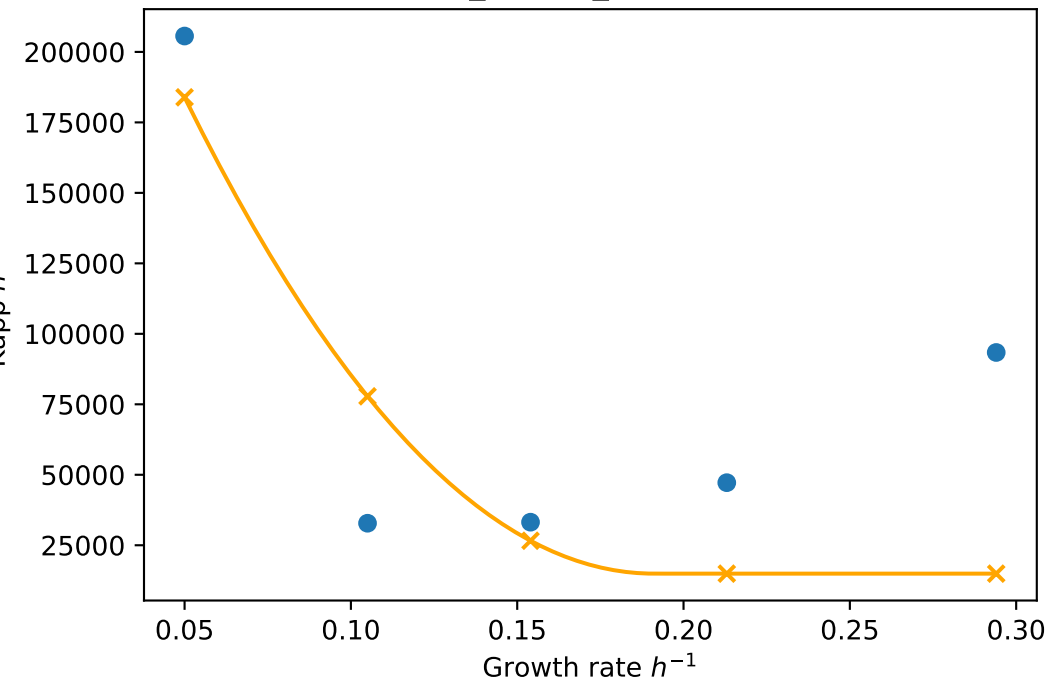
R_GLNS_enzyme



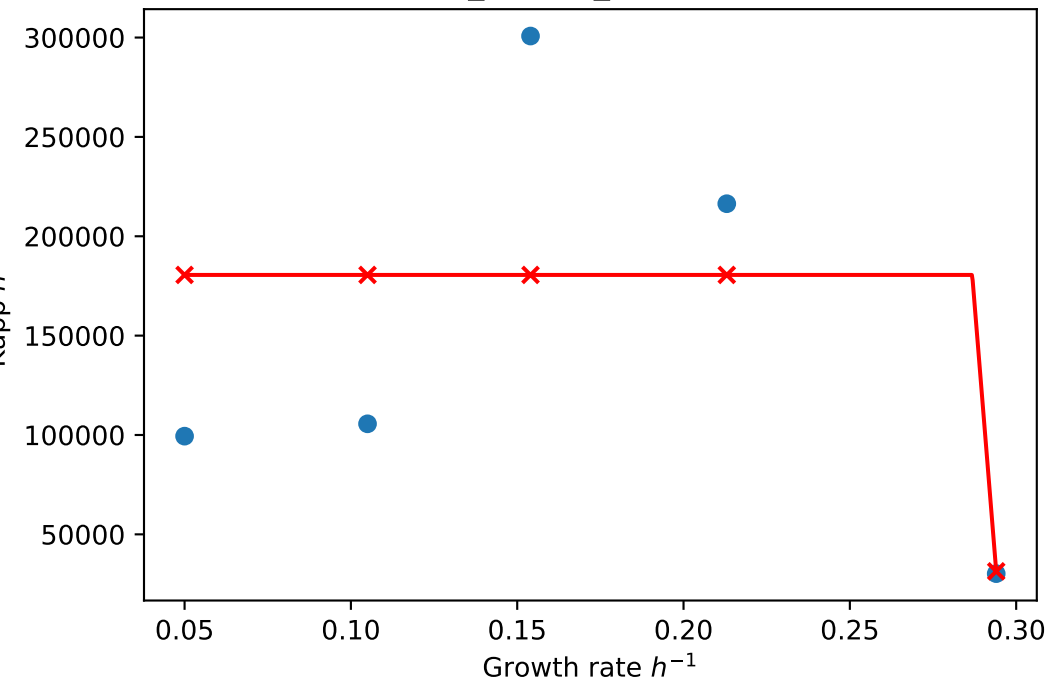
R_GLNTRS_enzyme



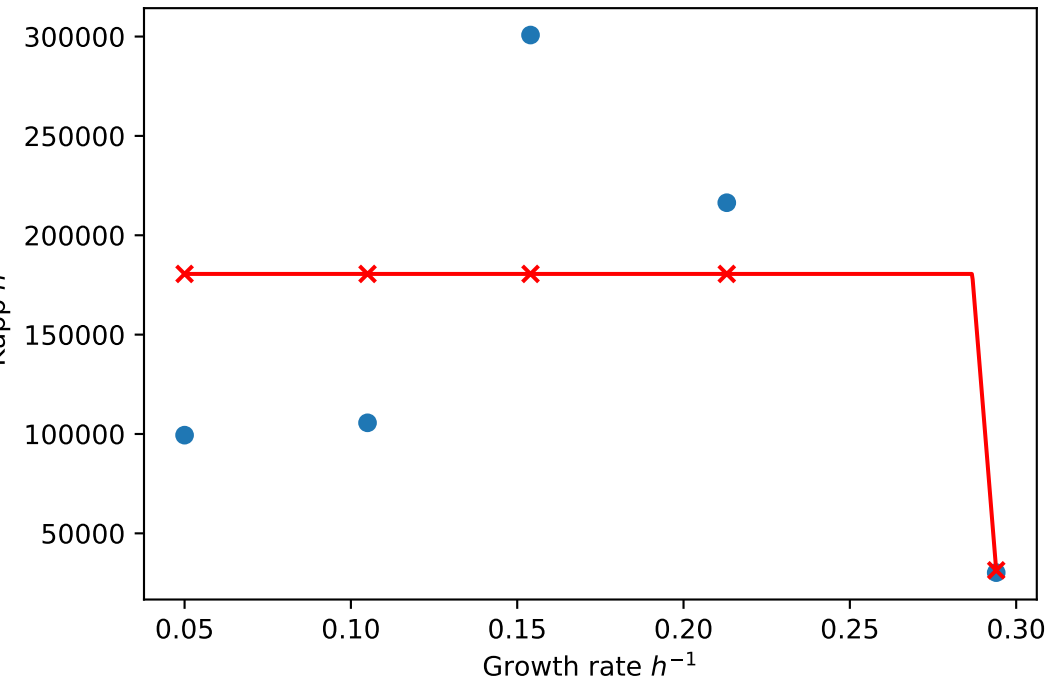
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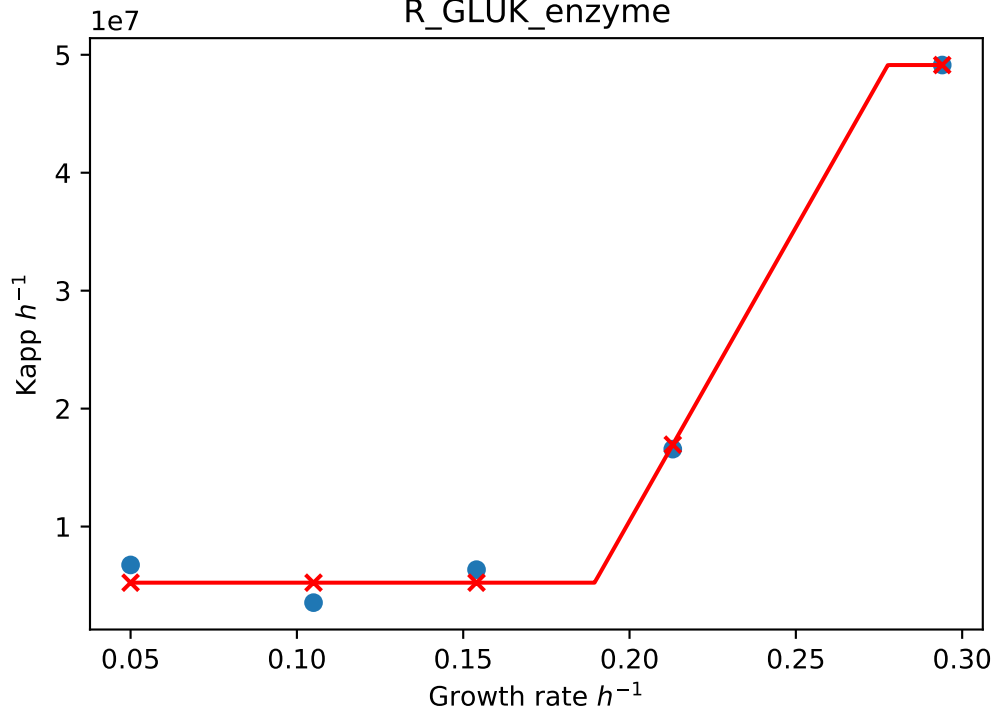
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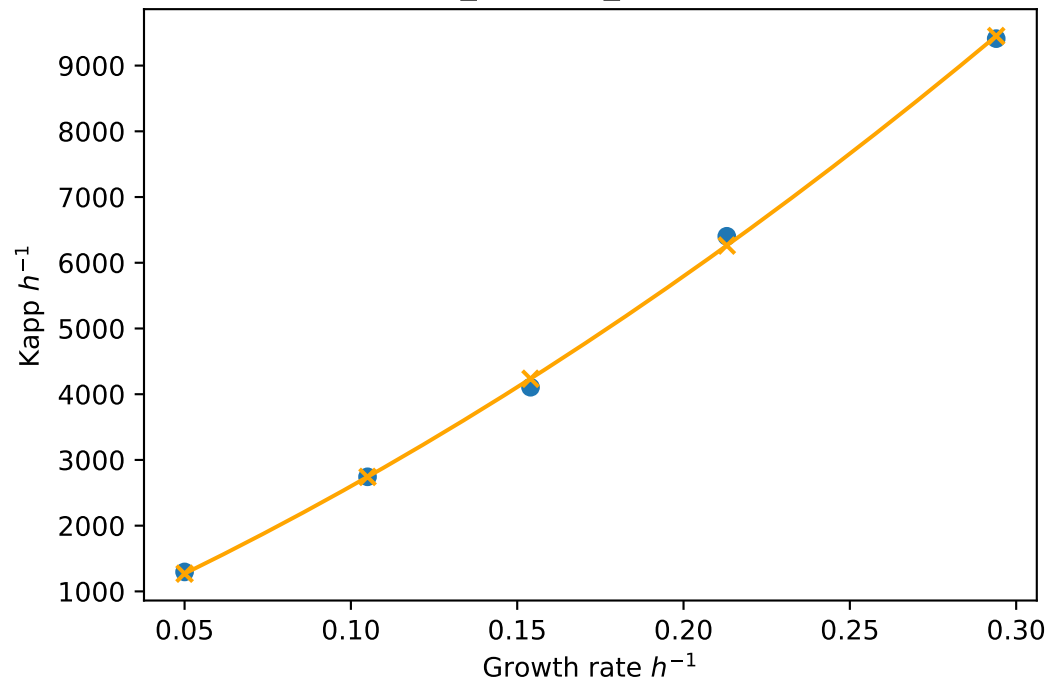
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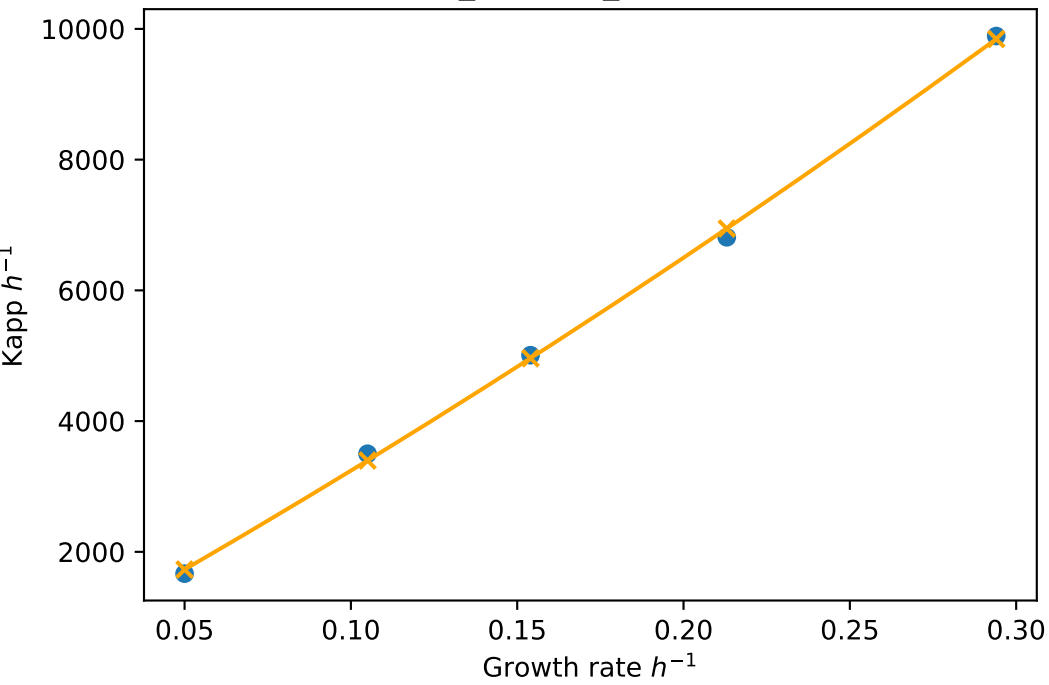
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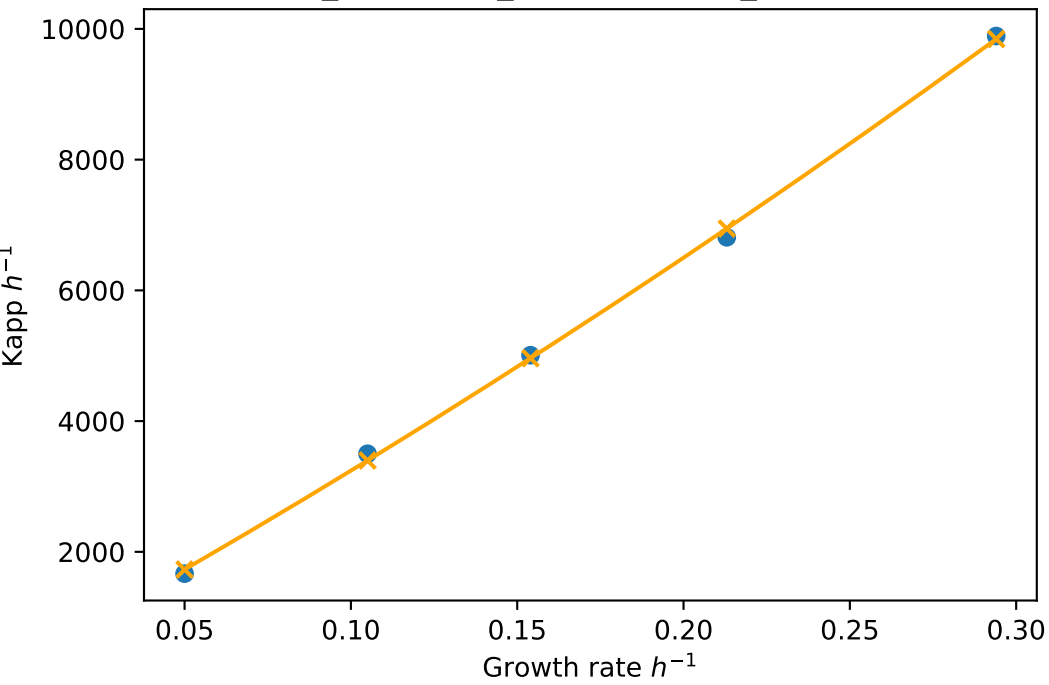
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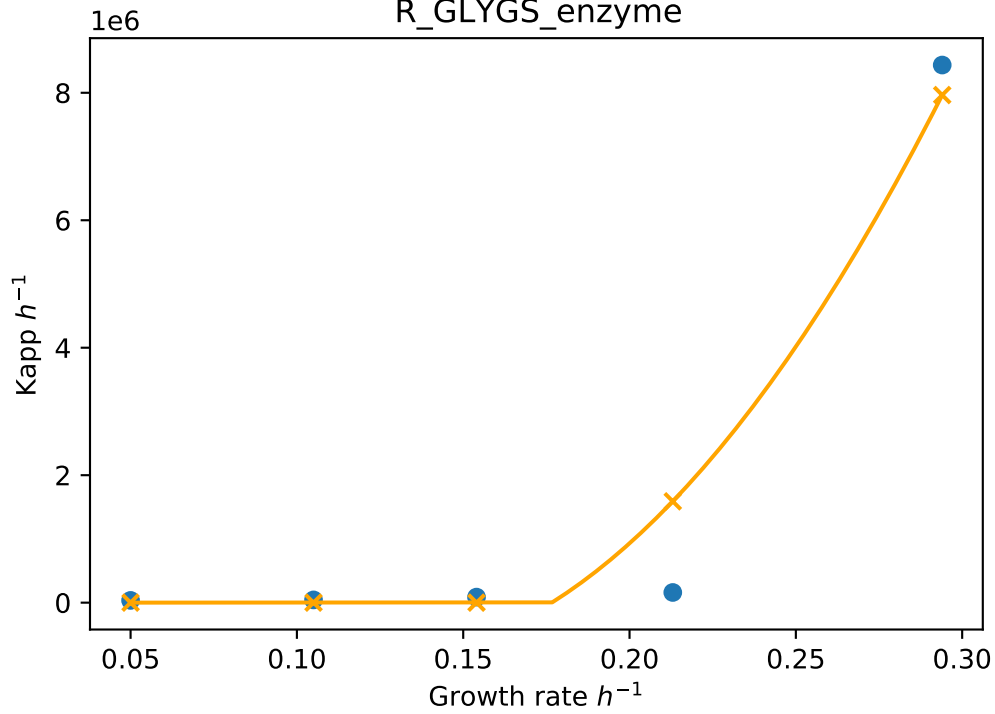
R_GLUTRS_enzyme



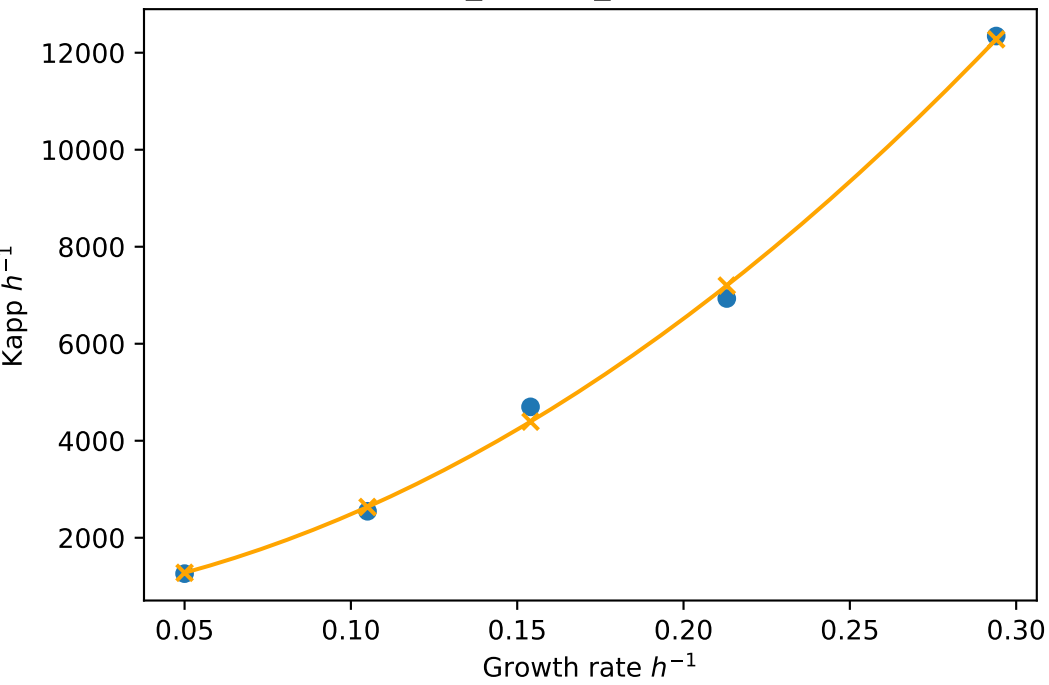
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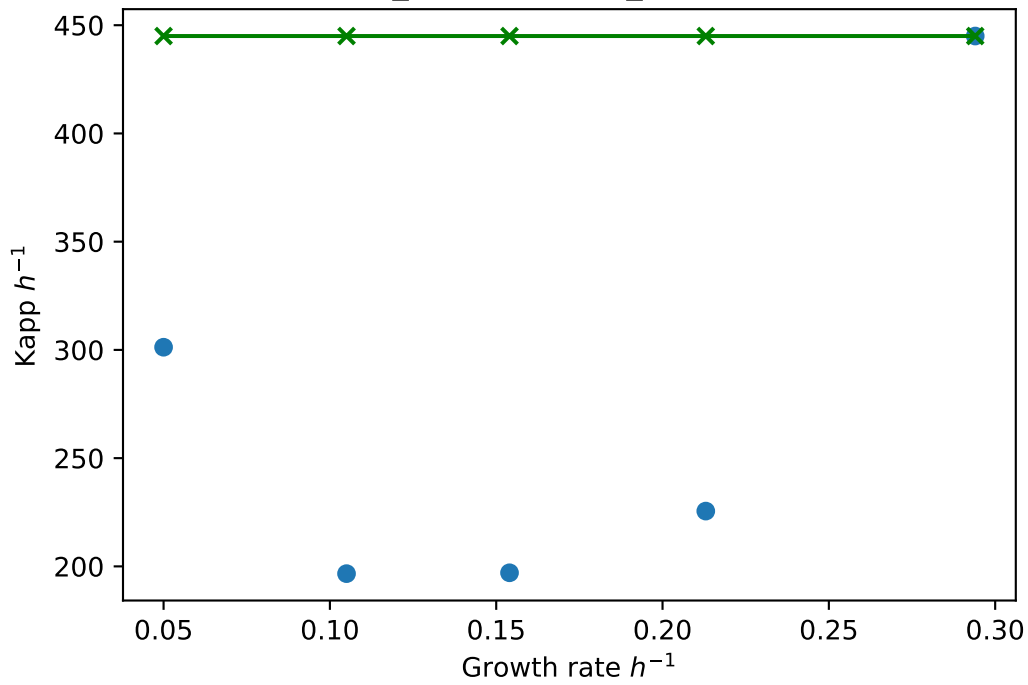
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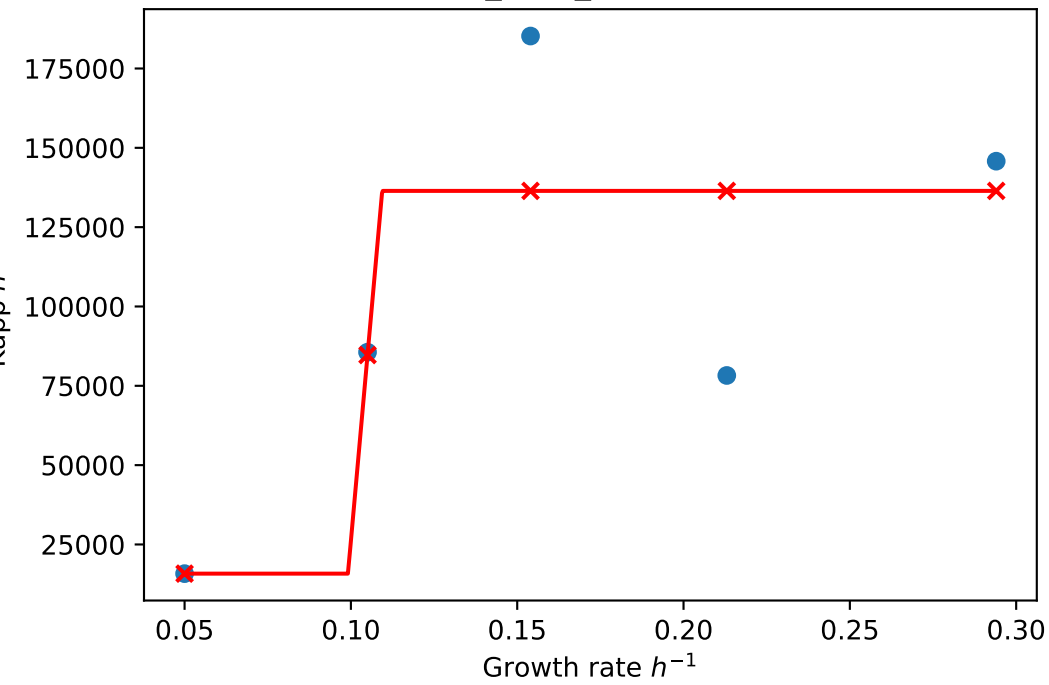
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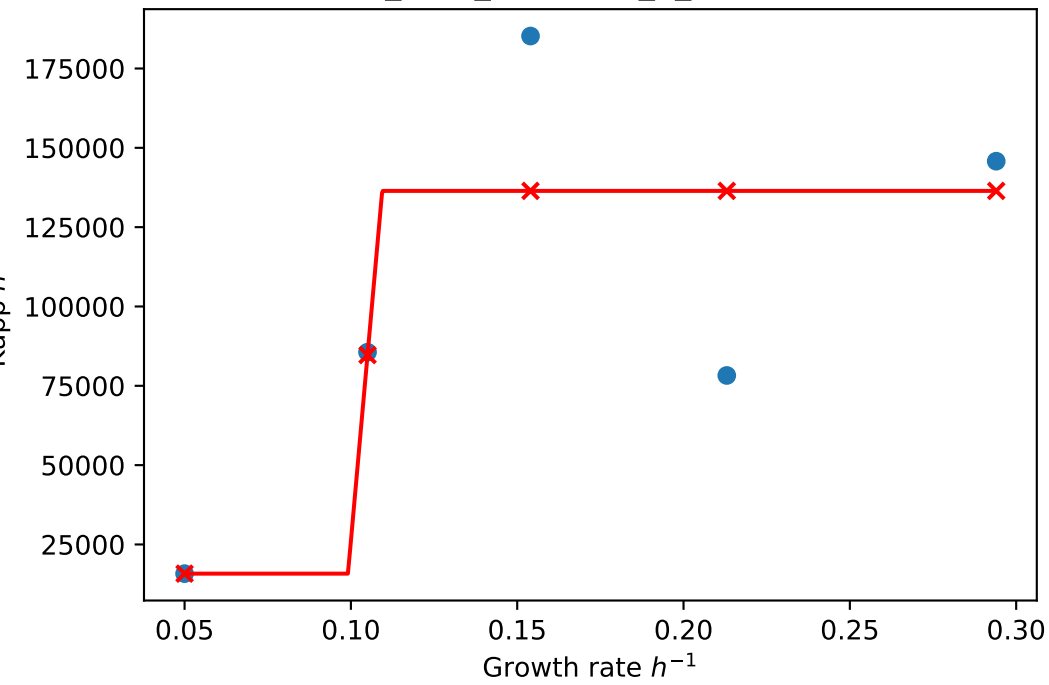
R_GMPtmAdded_enzyme



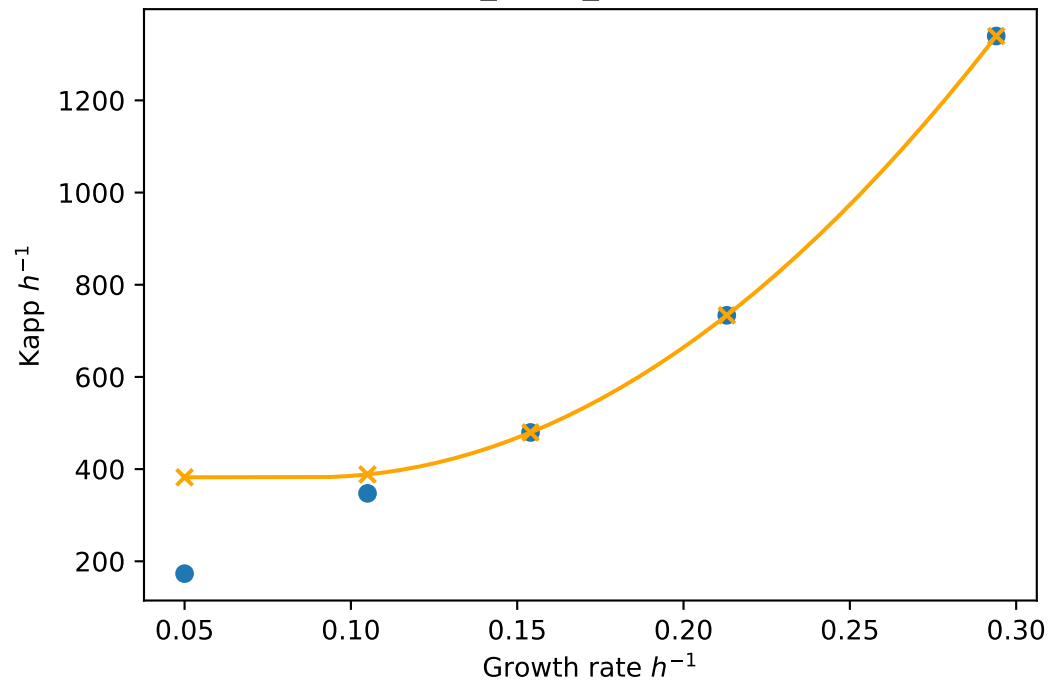
R_GND_enzyme



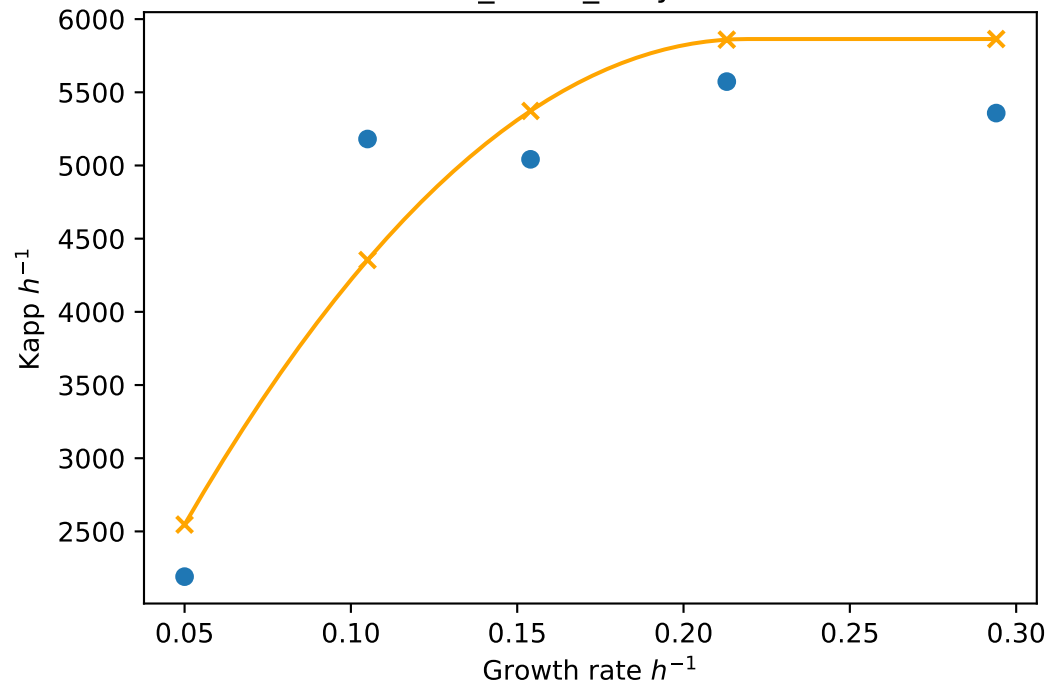
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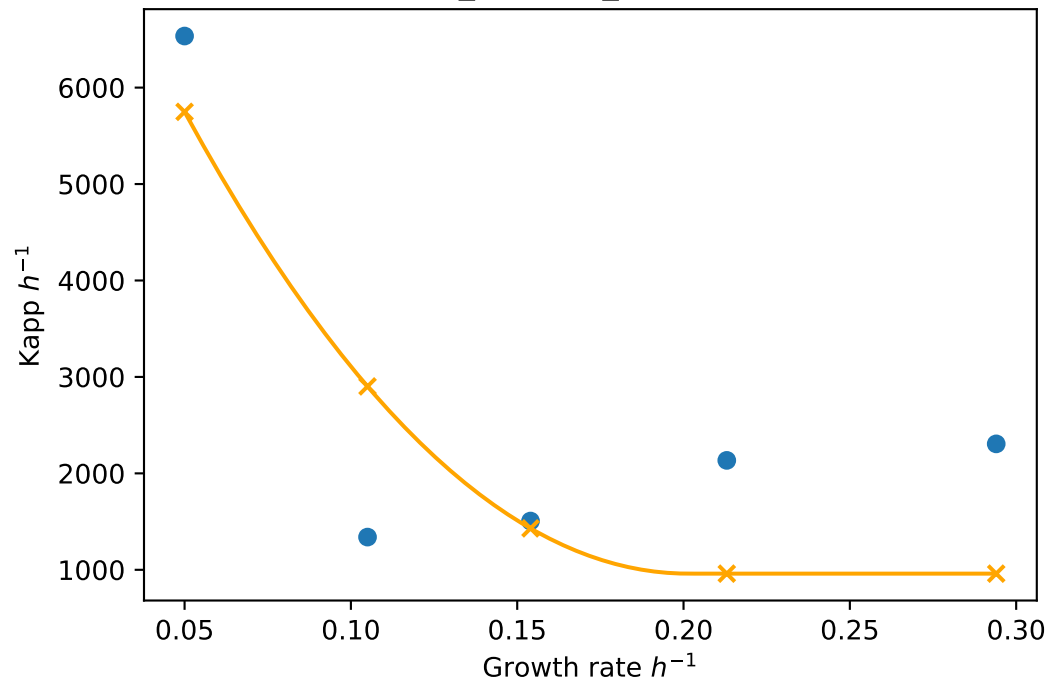
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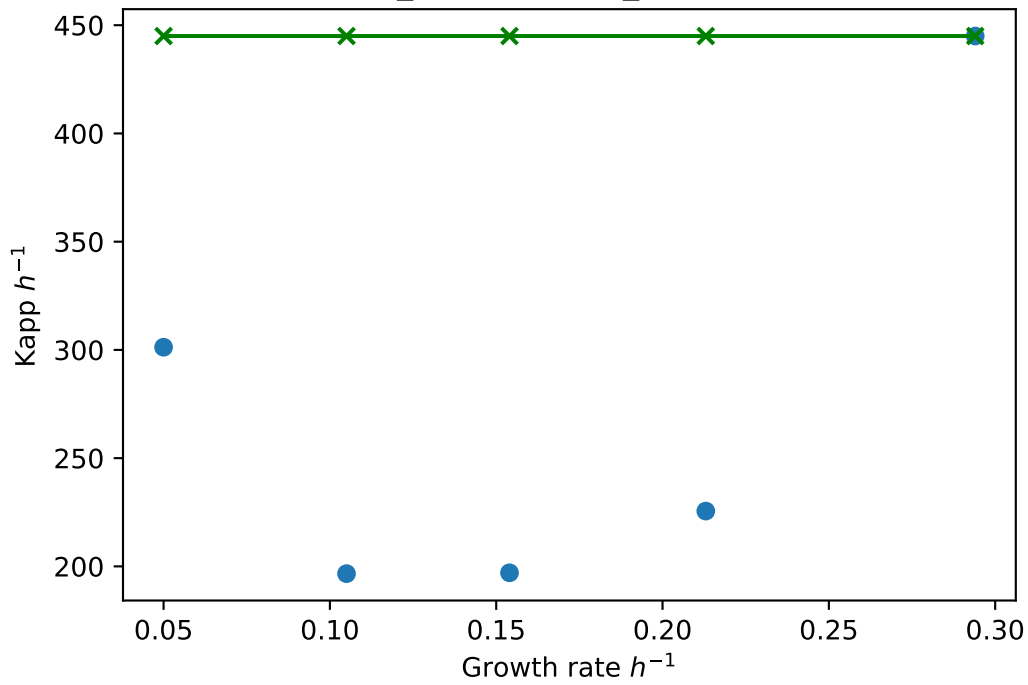
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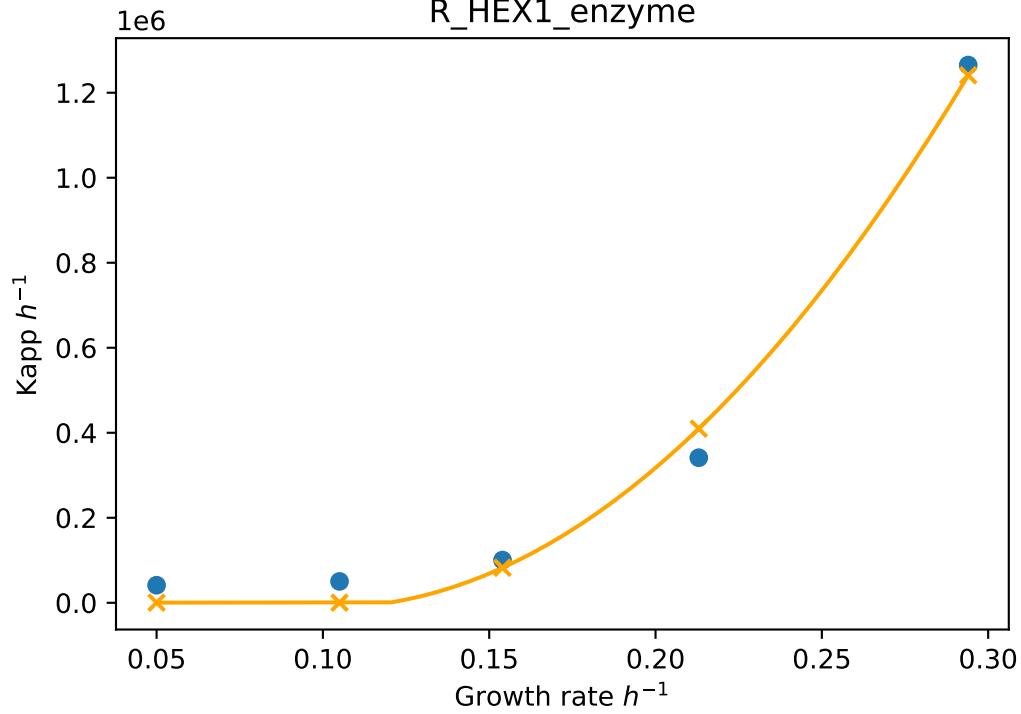
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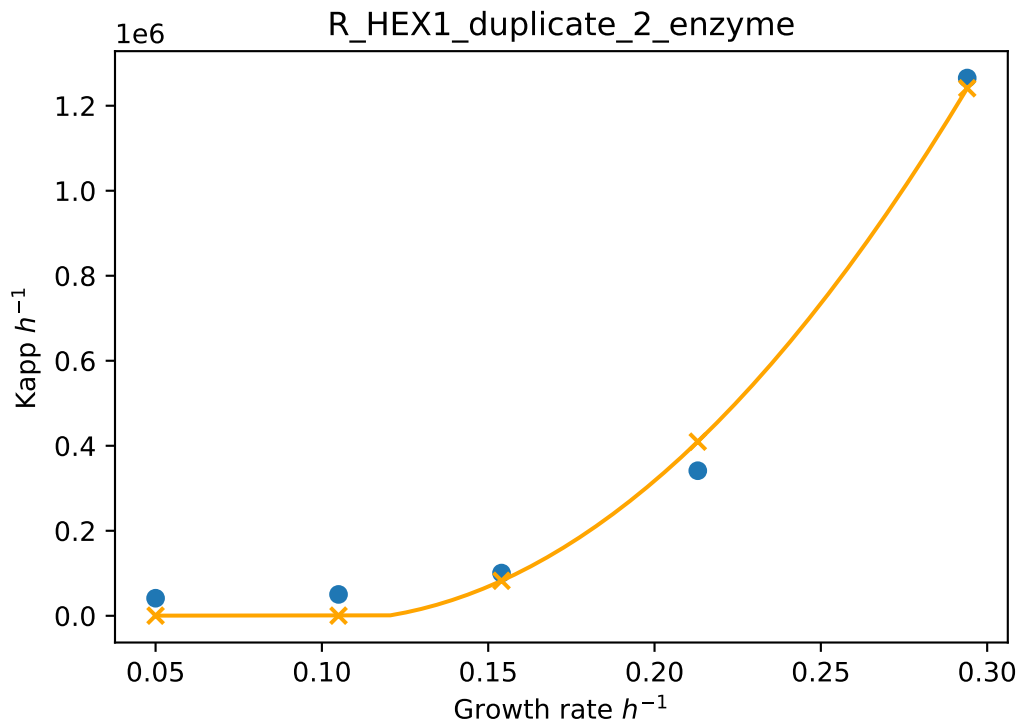


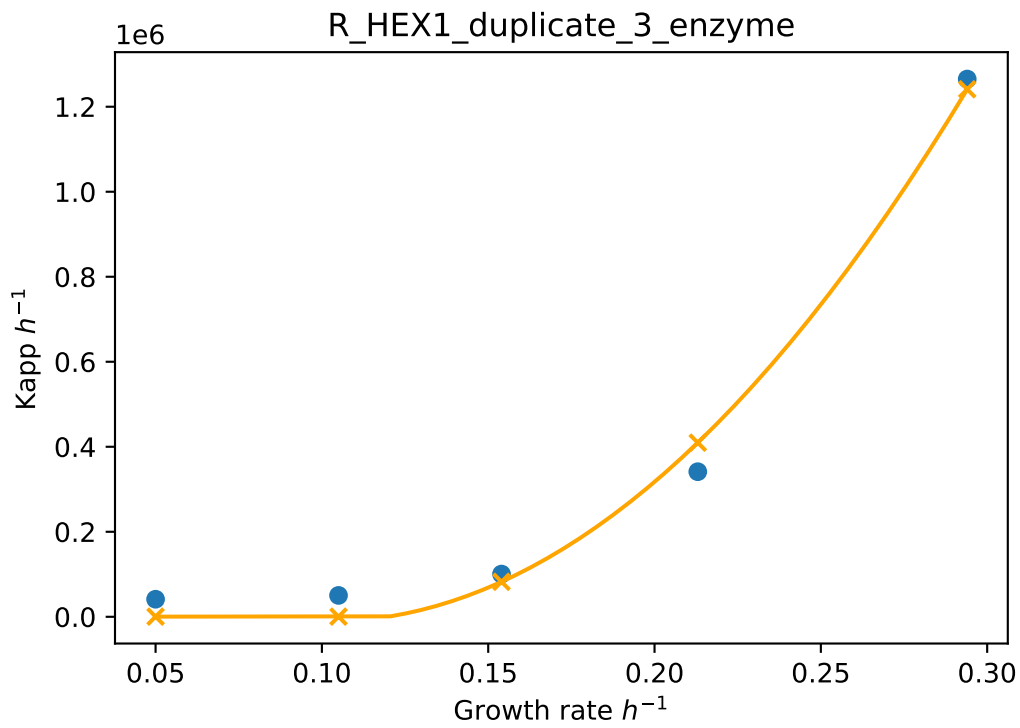
R_GTPtmAdded_enzyme



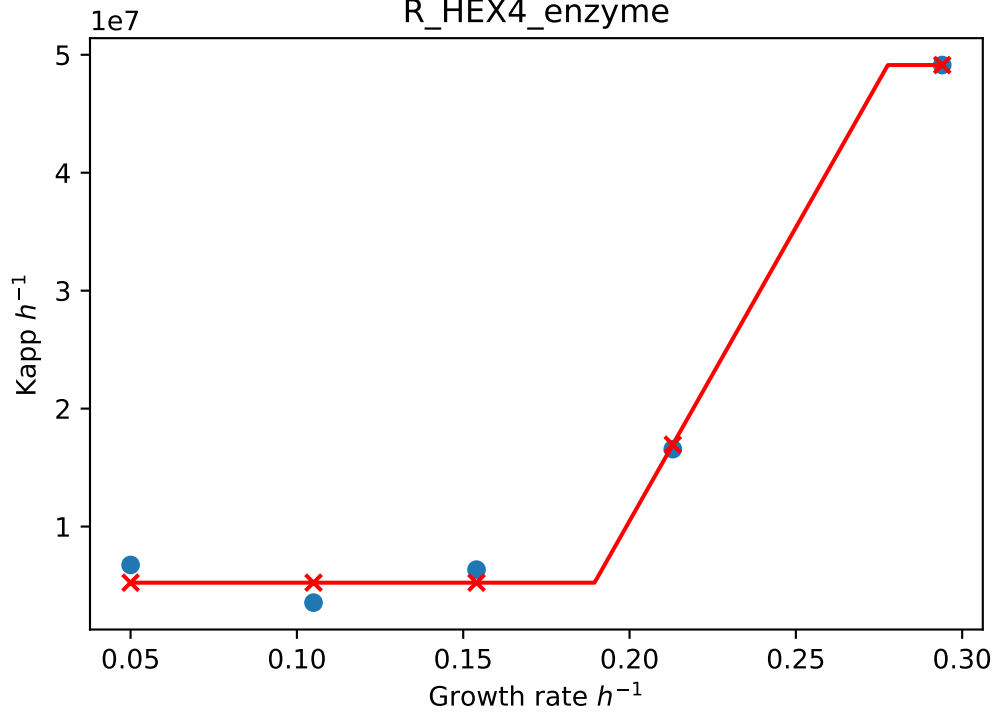
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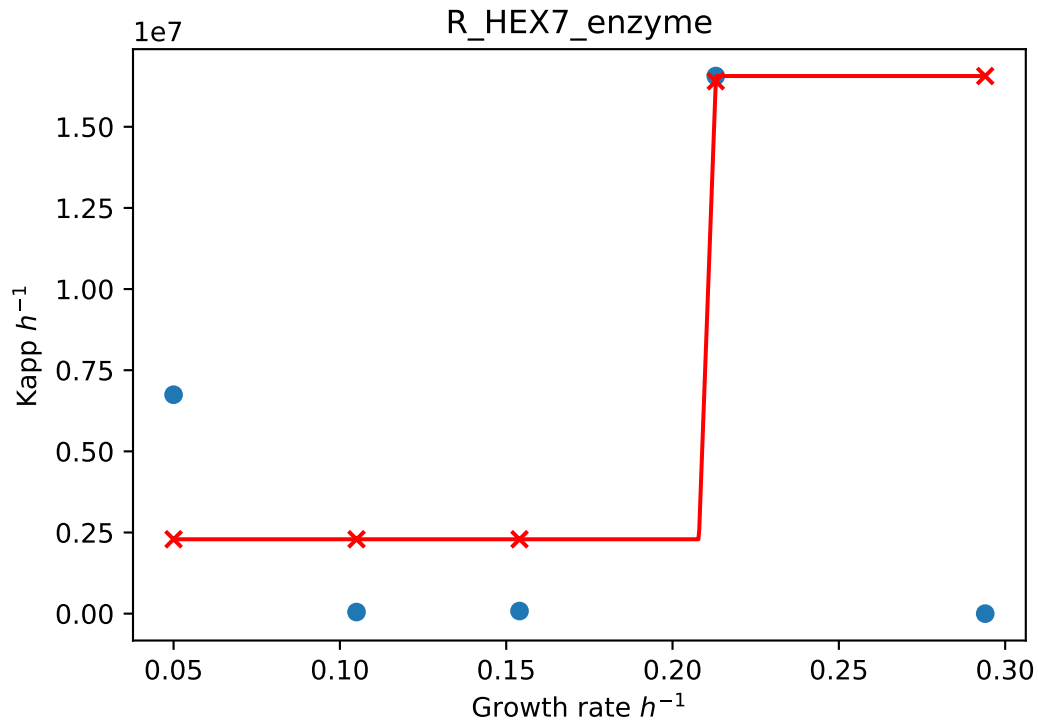




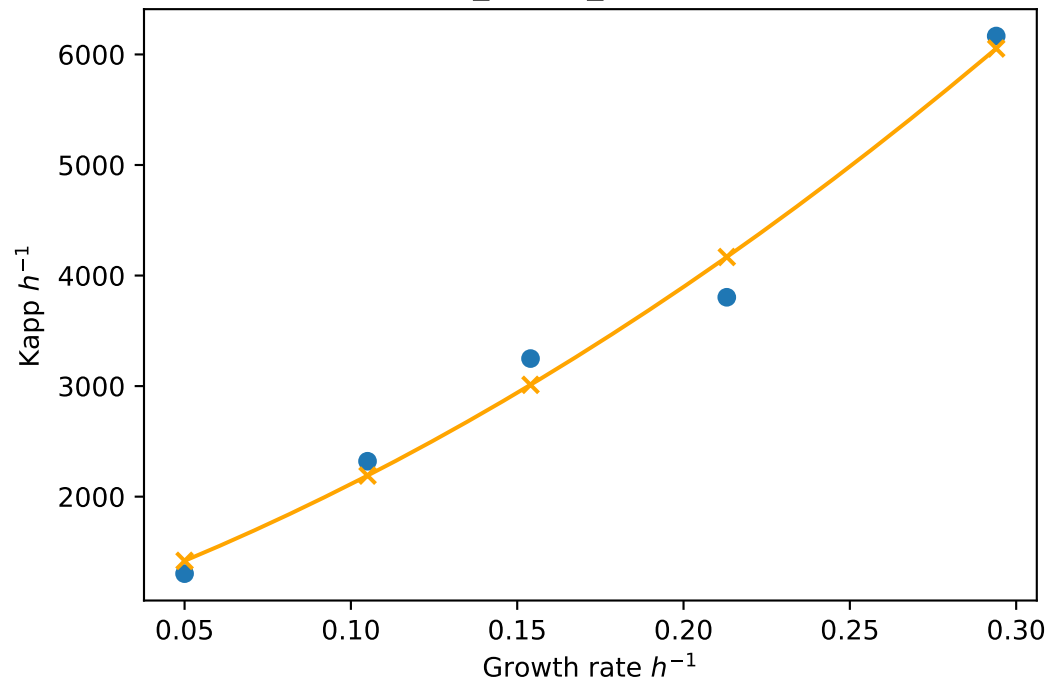


R_HEX4_enzyme

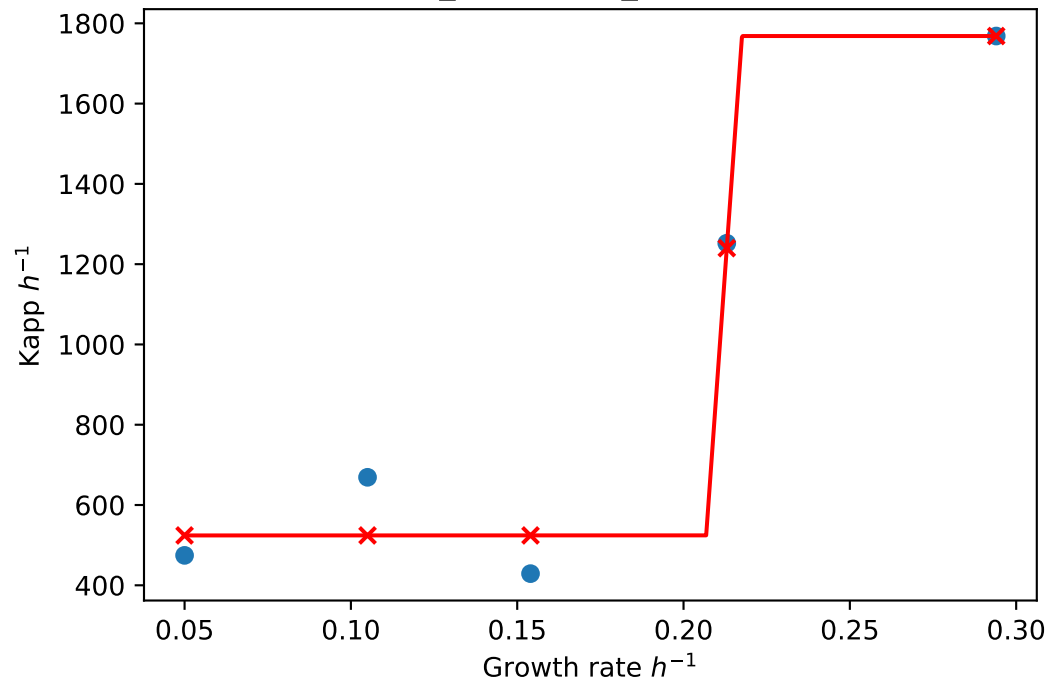




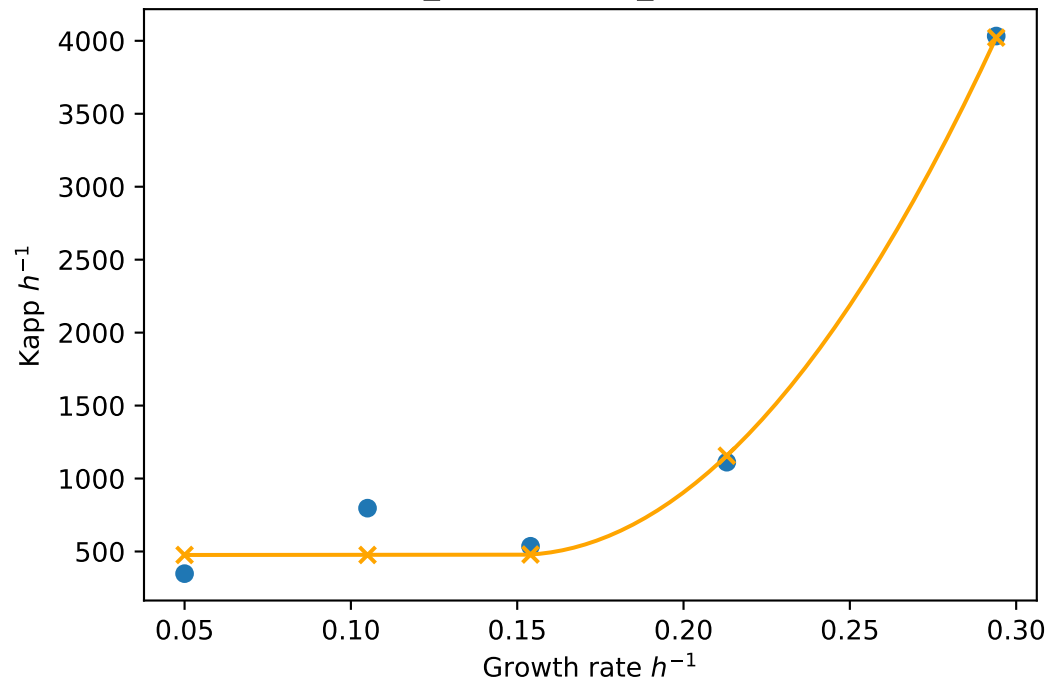
R_HISTD_enzyme



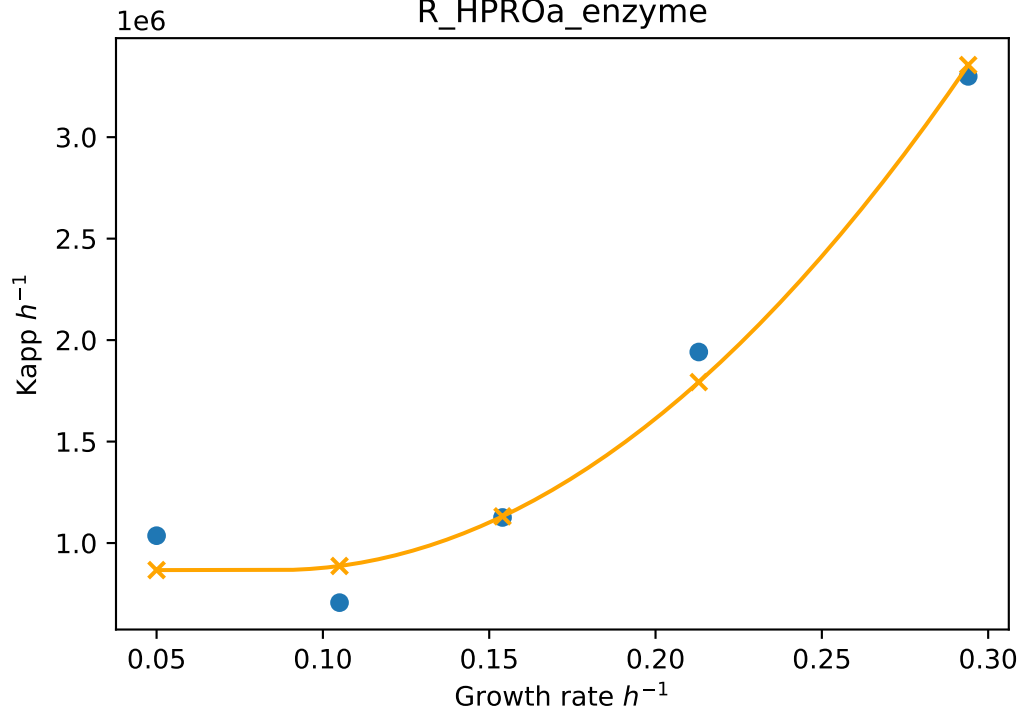
R_HMGCOAS_enzyme



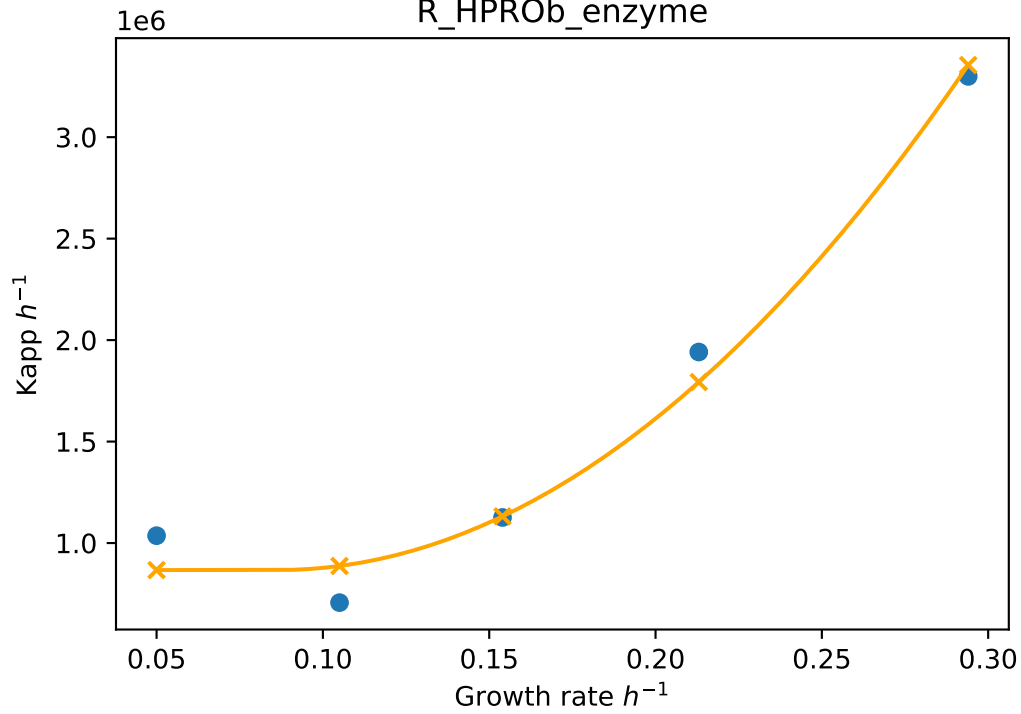
R_HMGCOASm_enzyme



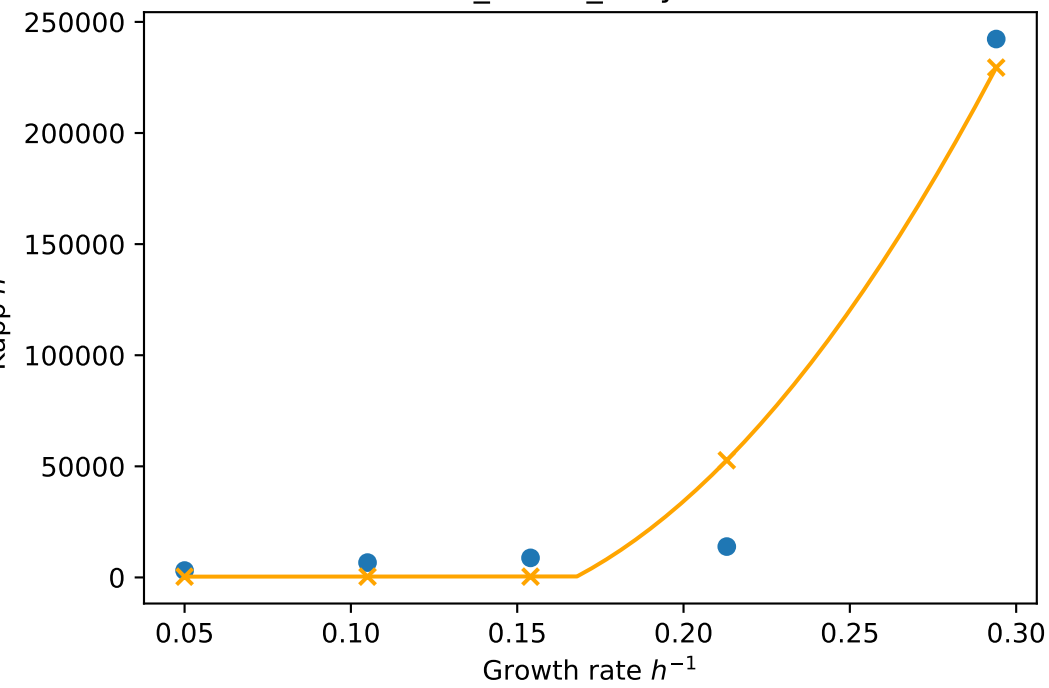
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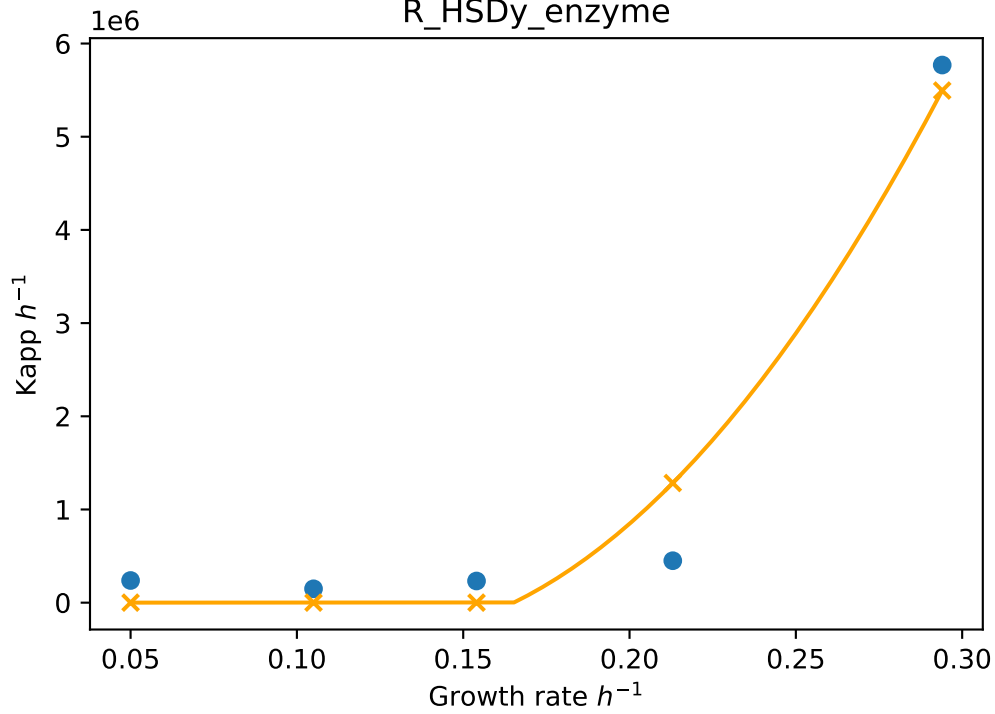
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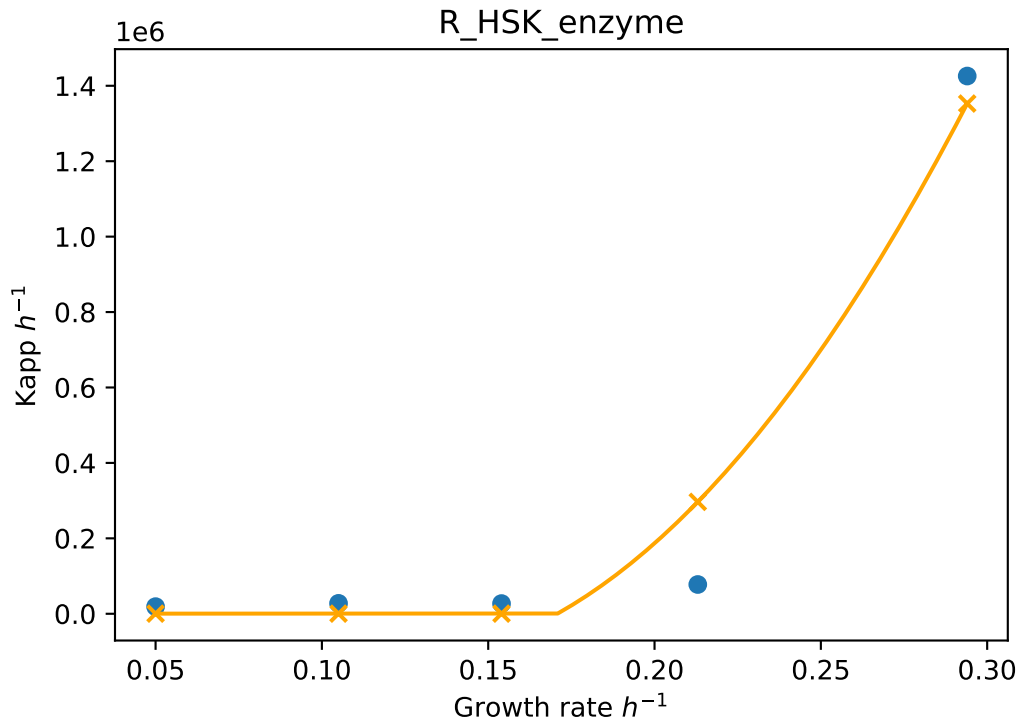


R_HSDxi_enzyme

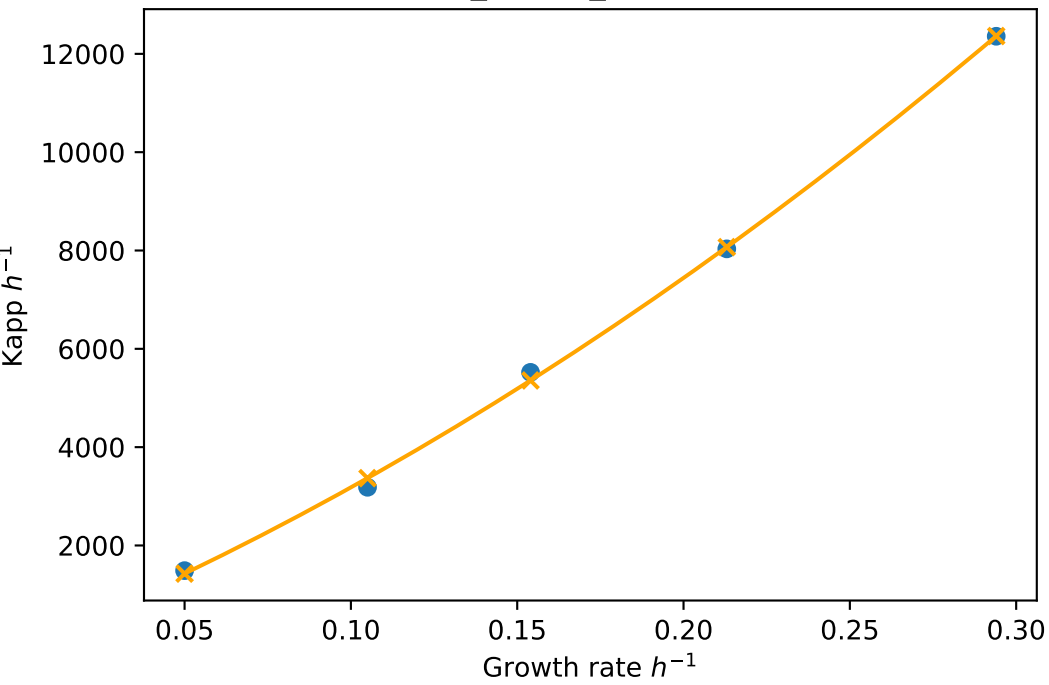


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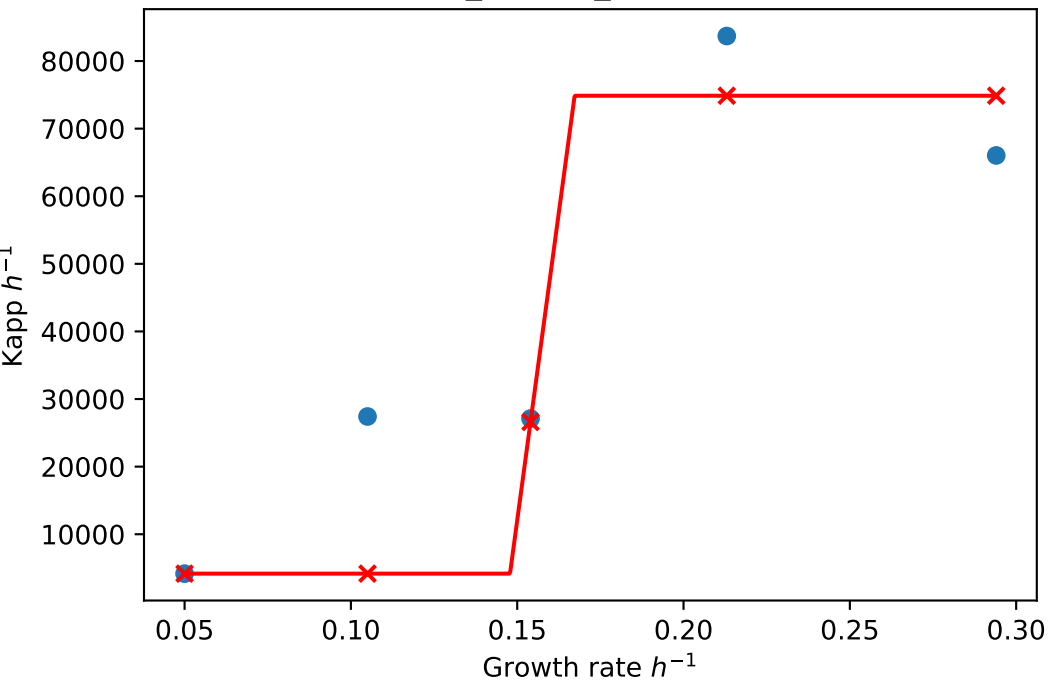


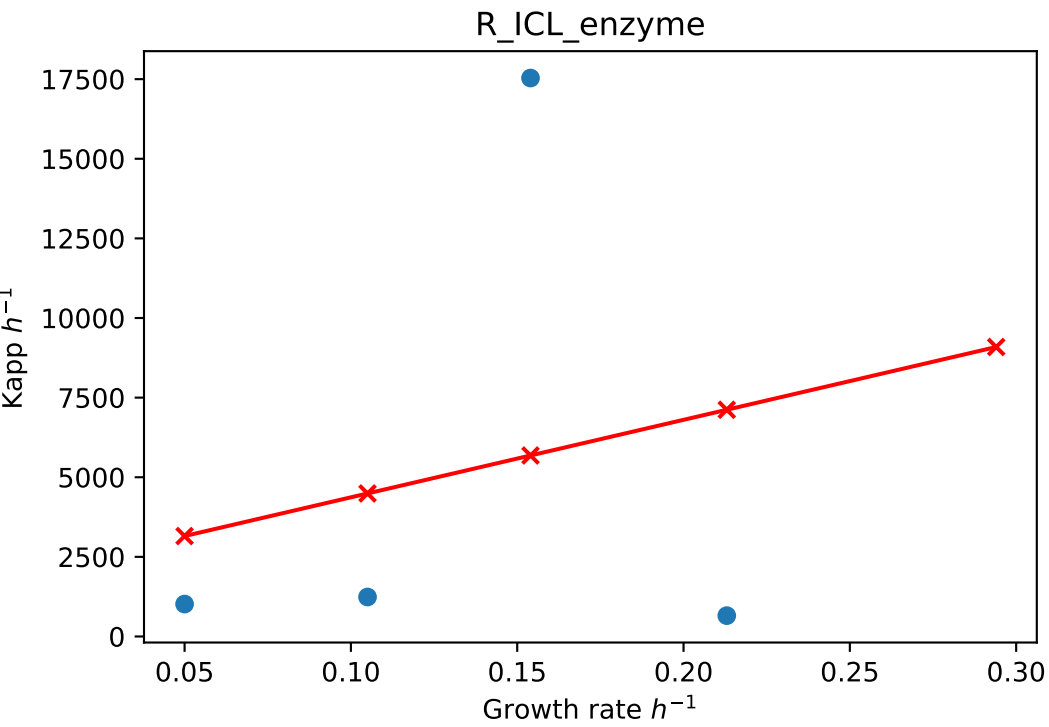


R_HSTPT_enzyme

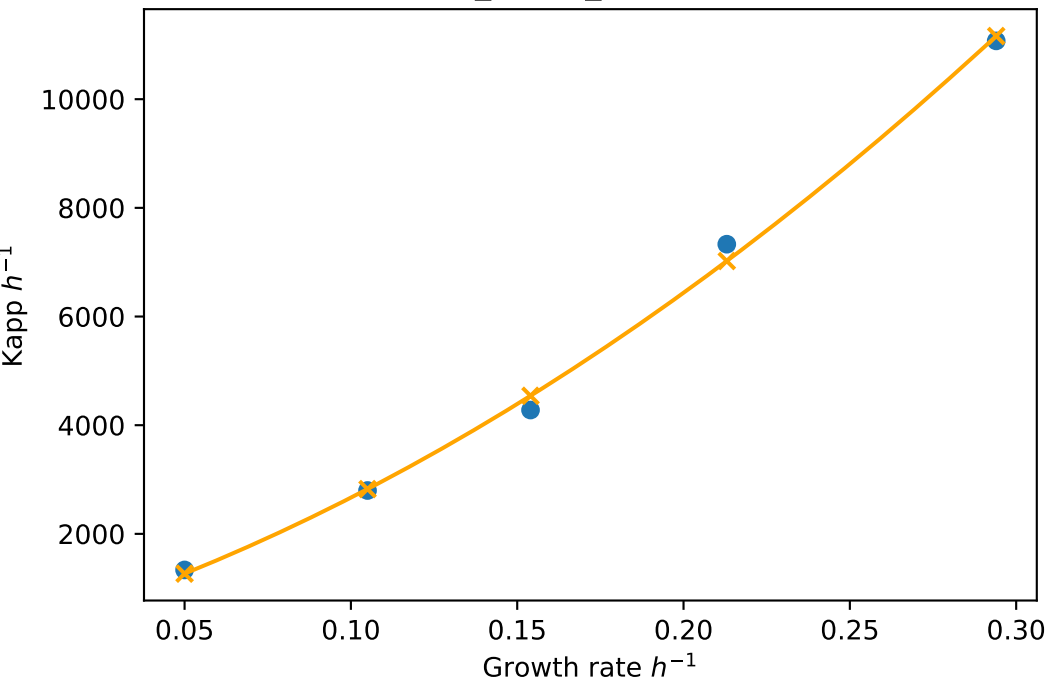


R_ICDHyr_enzyme

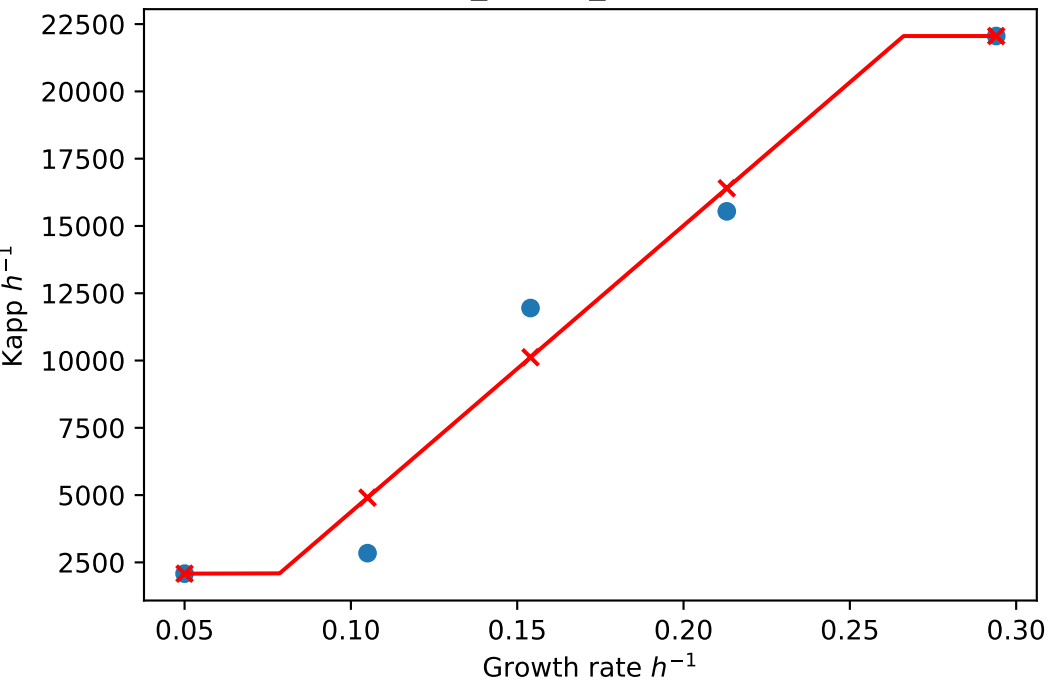




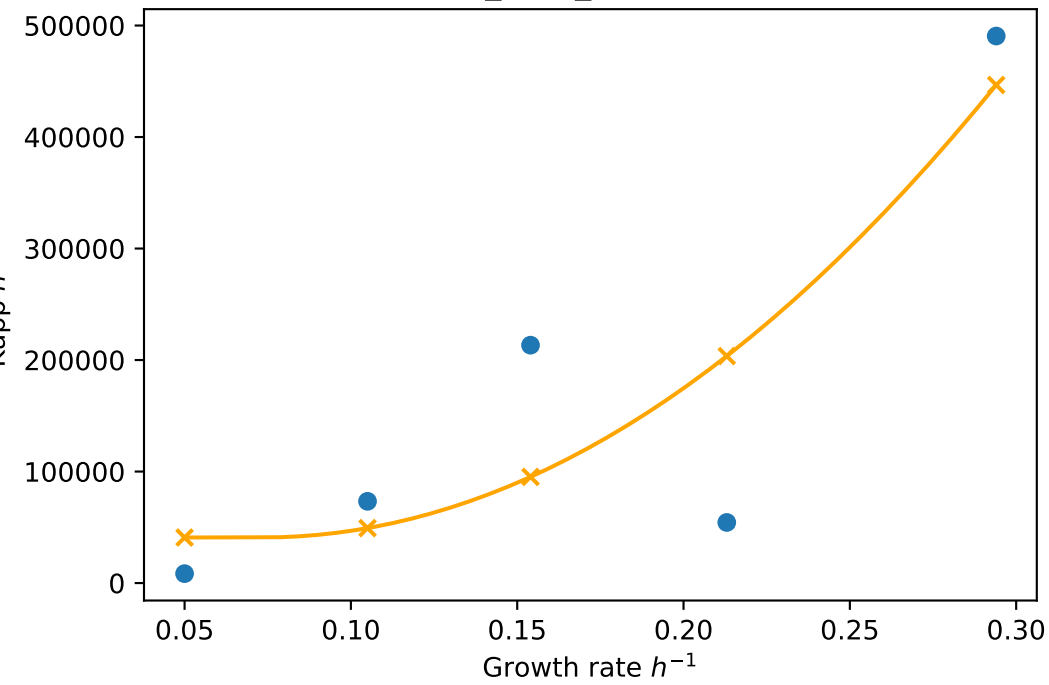
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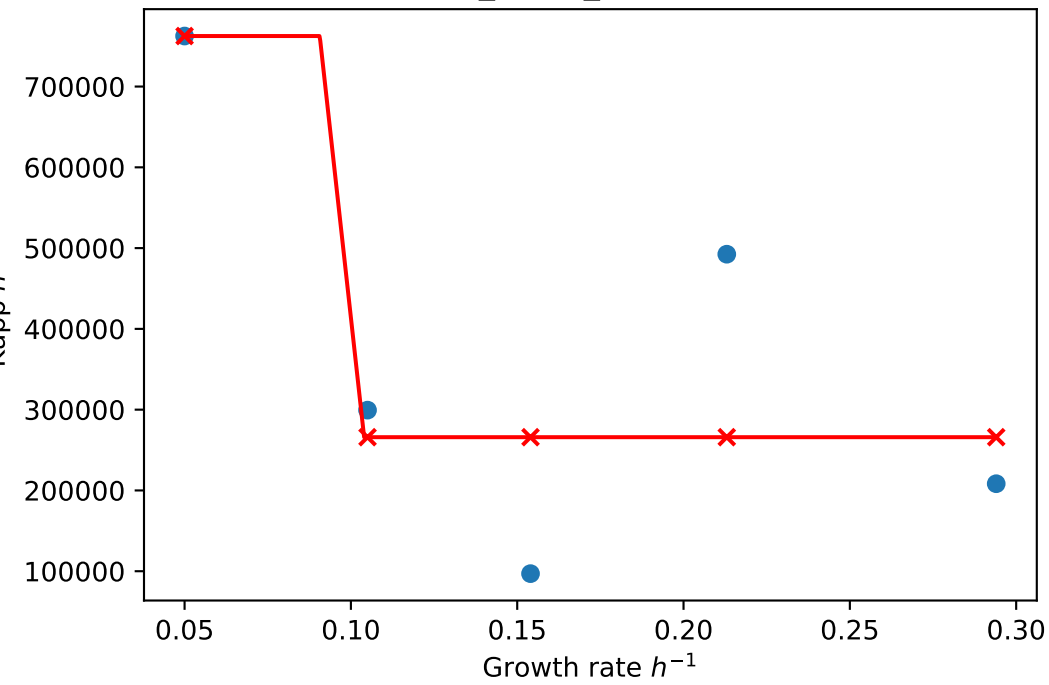
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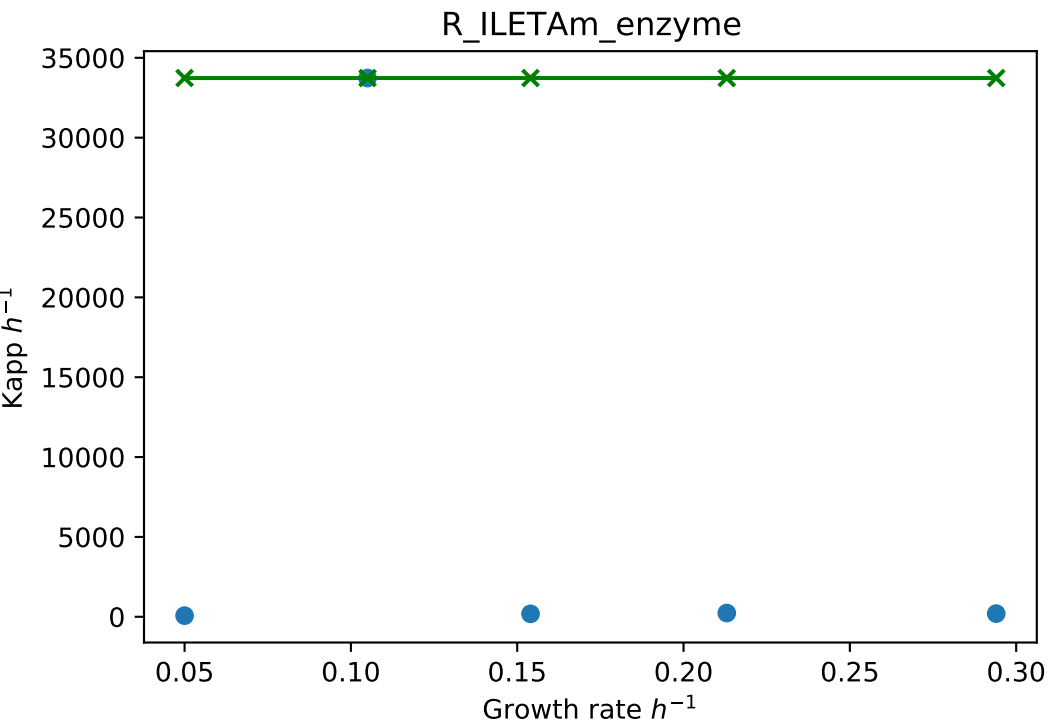


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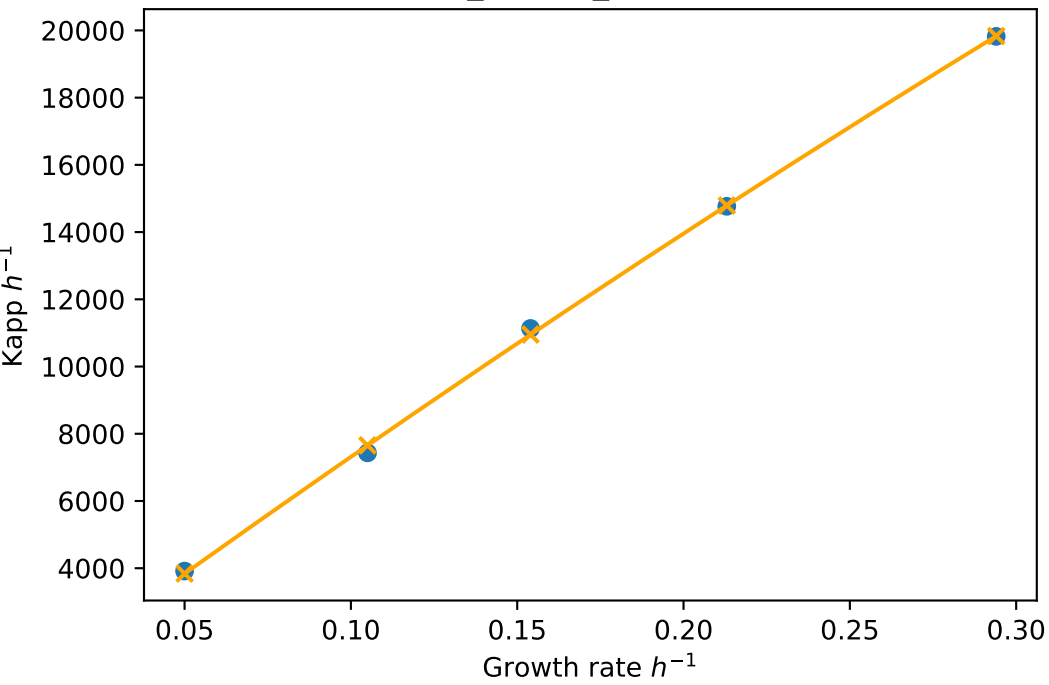


R_ILETA_enzyme

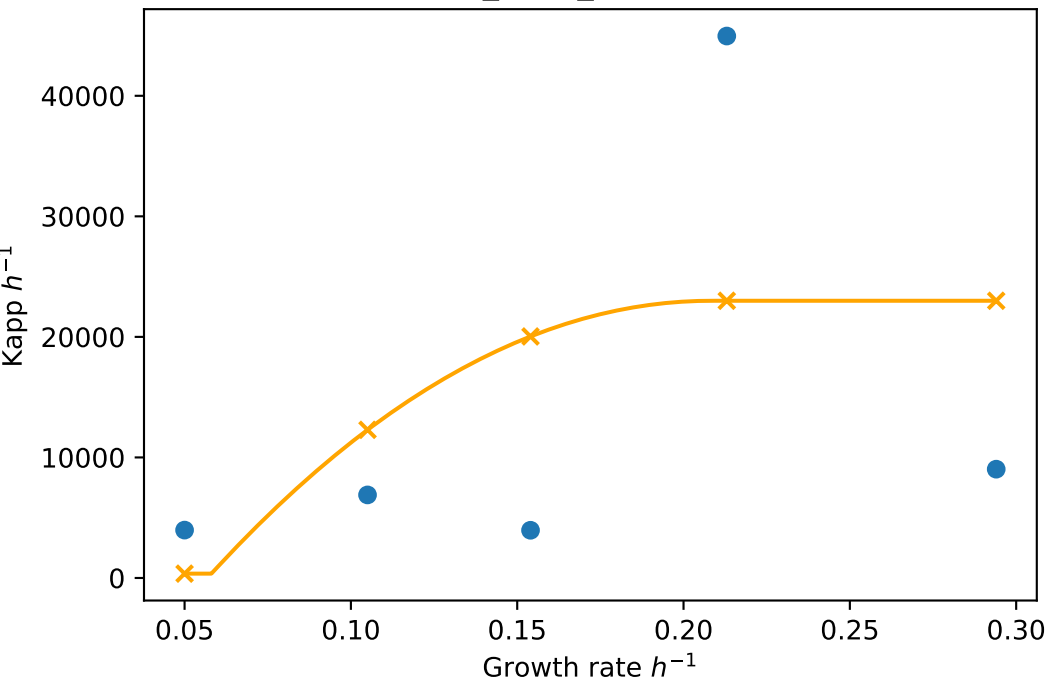




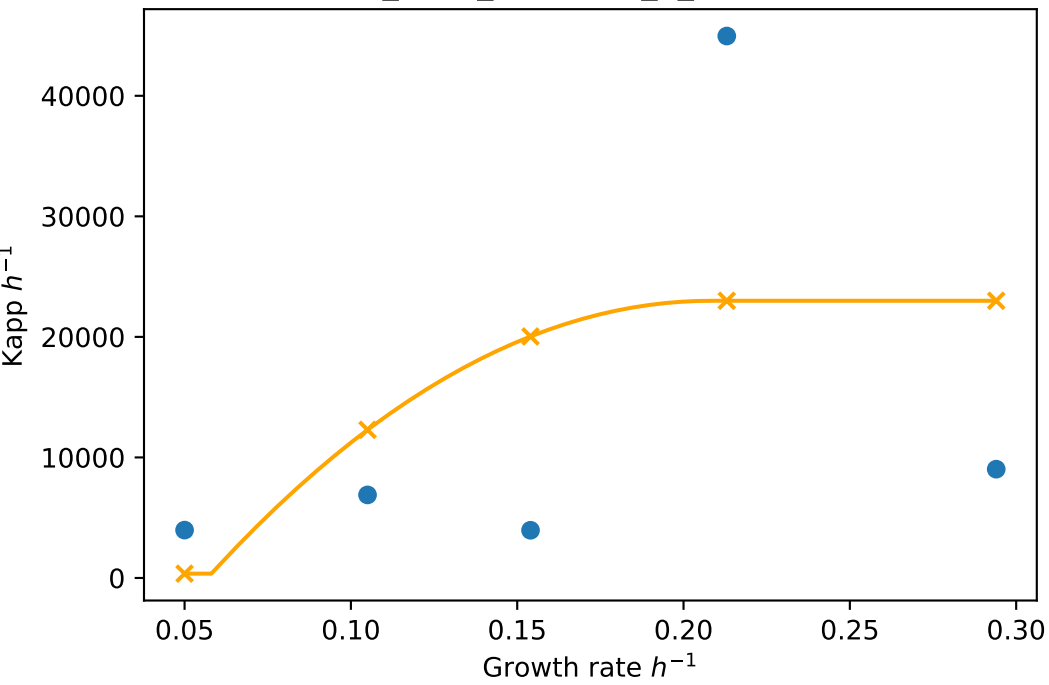
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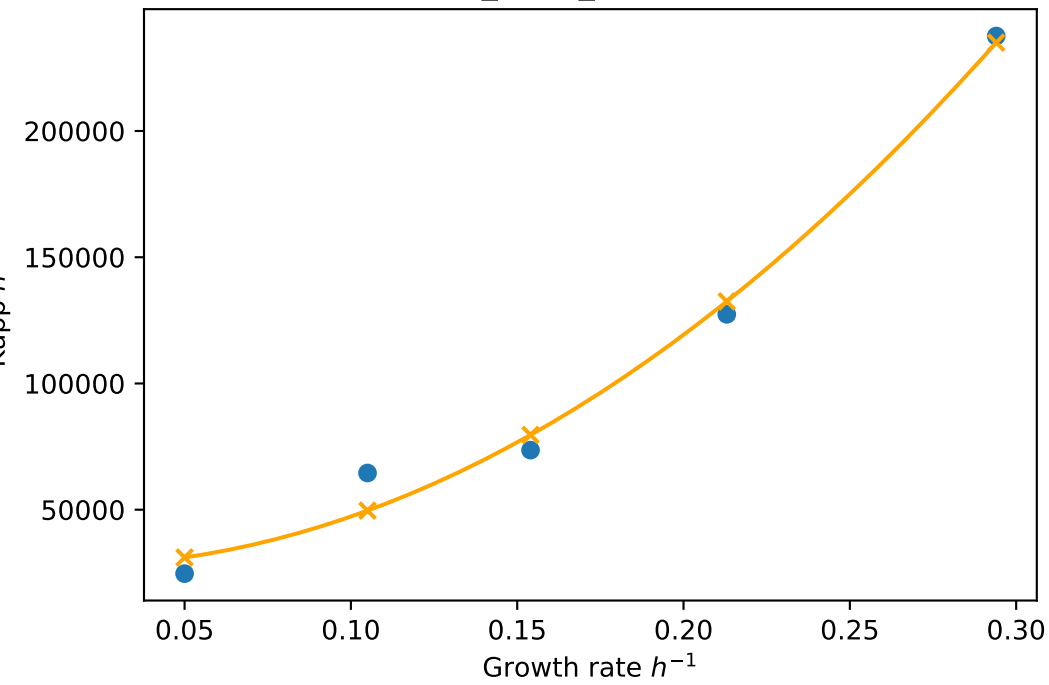
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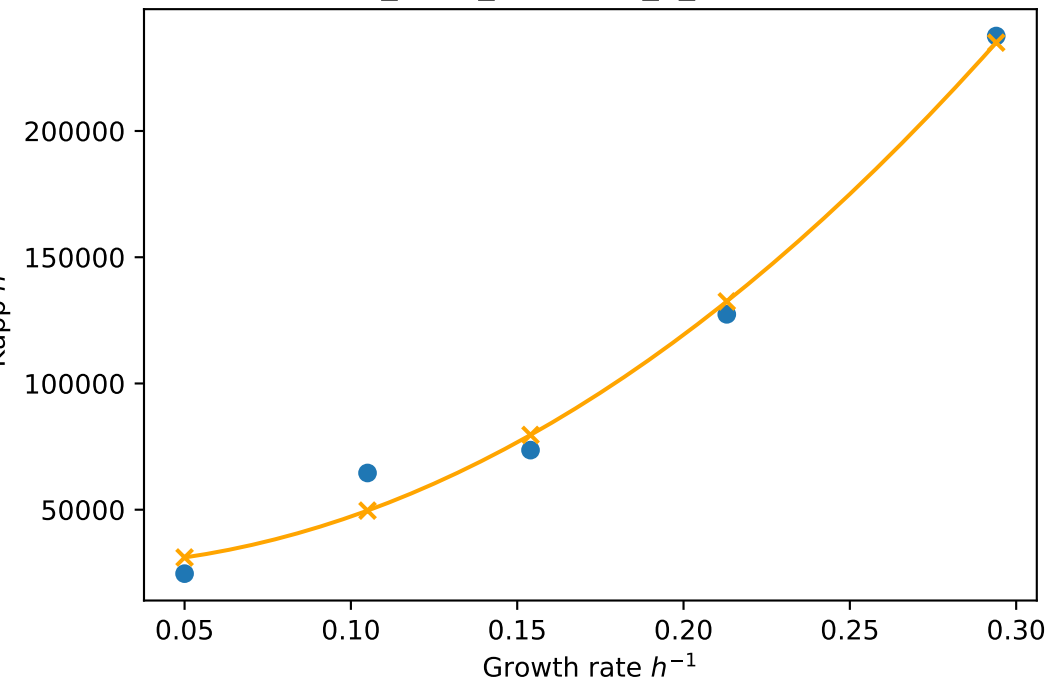
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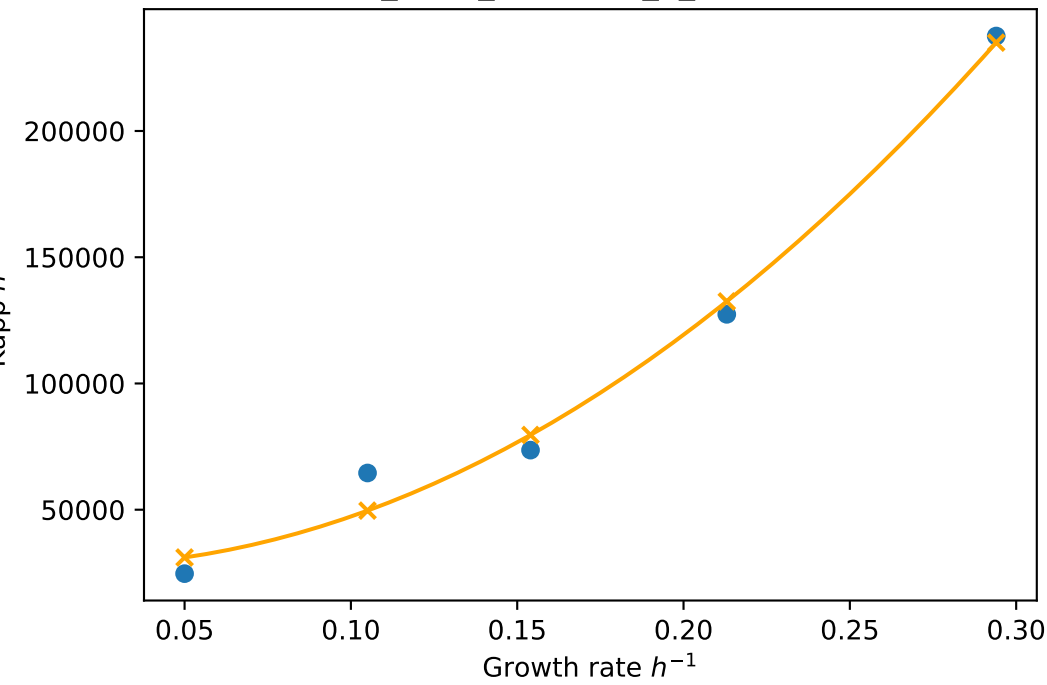
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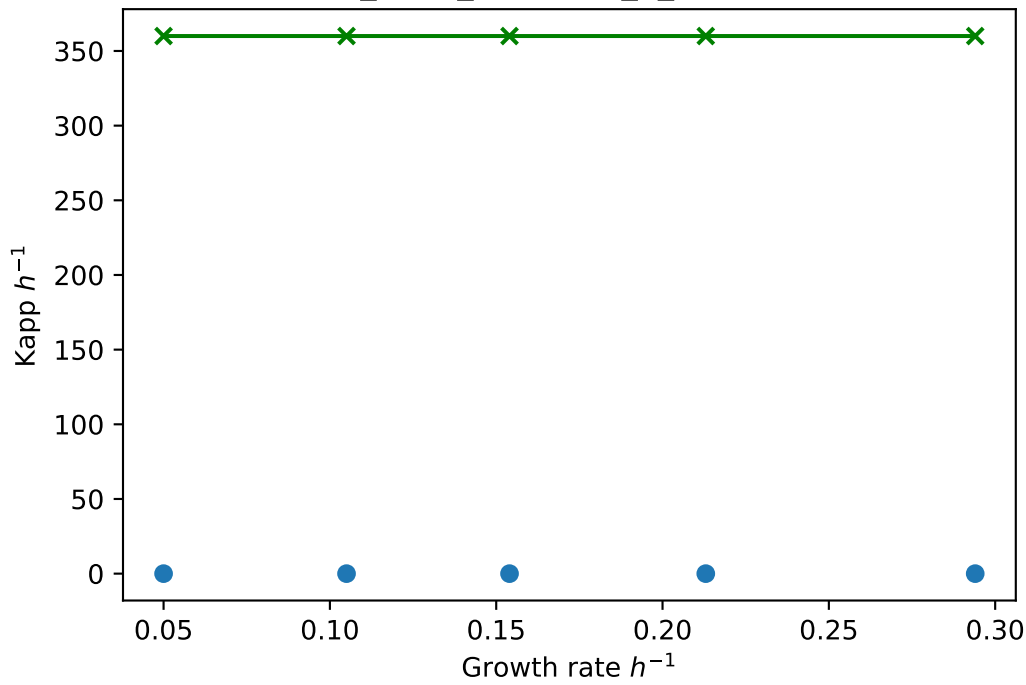
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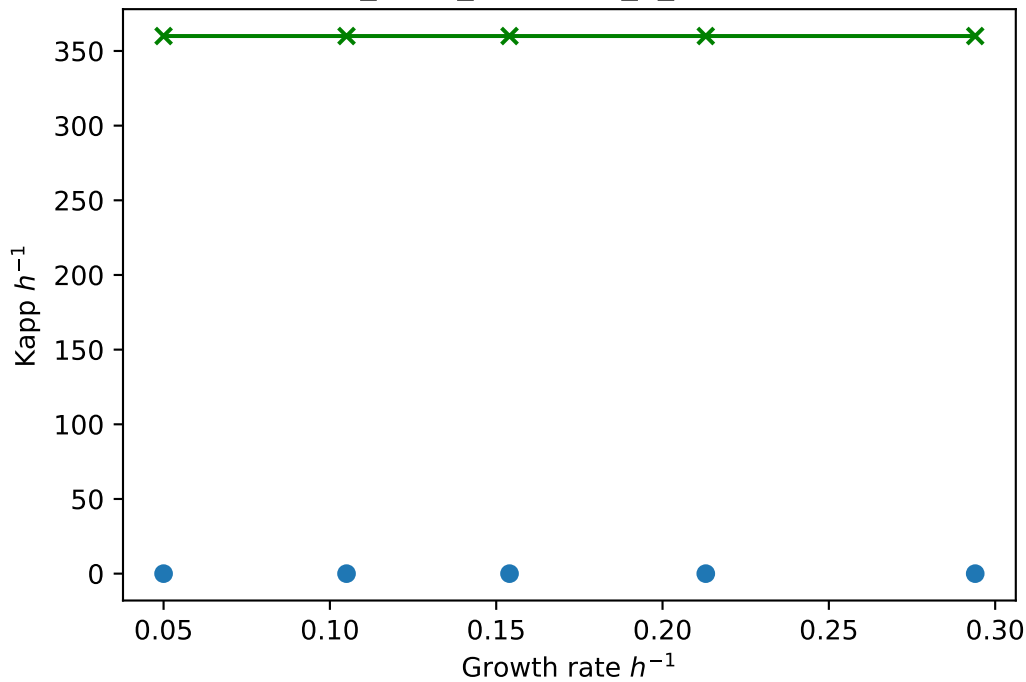
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R_IMPD_duplicate_4_enzyme

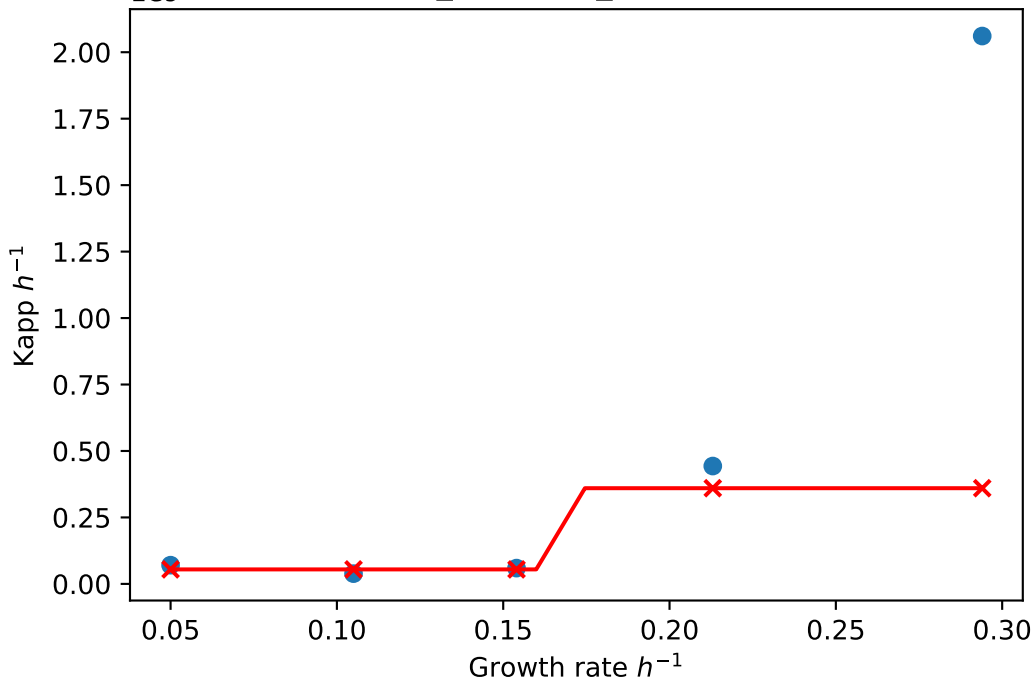


R_IMPD_duplicate_5_enzyme

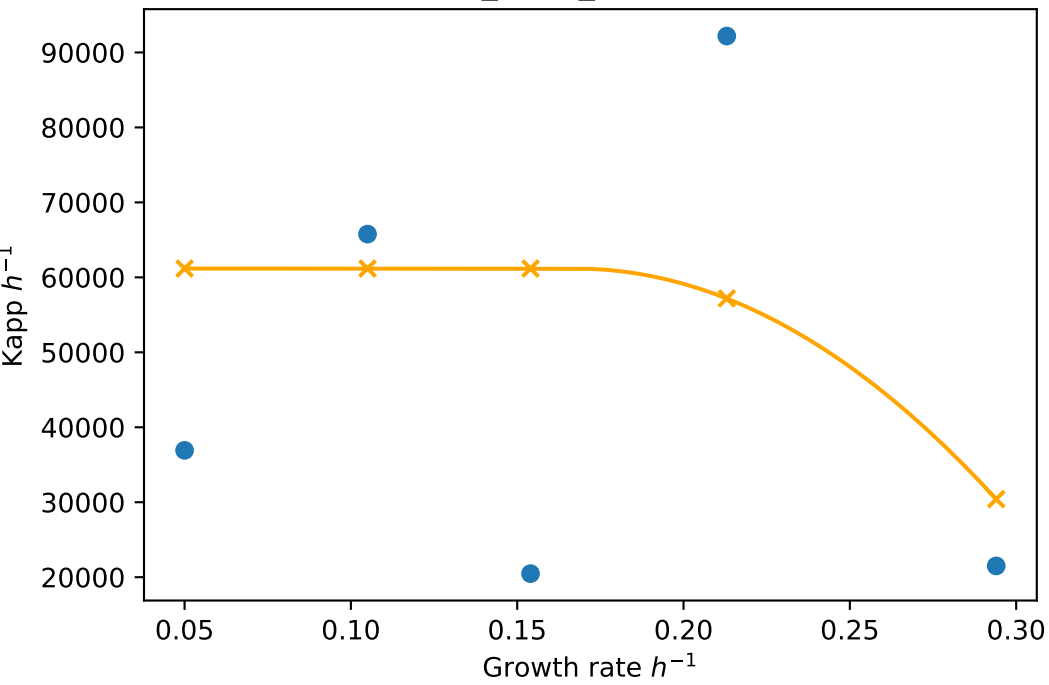


R_INDPYRD_enzyme

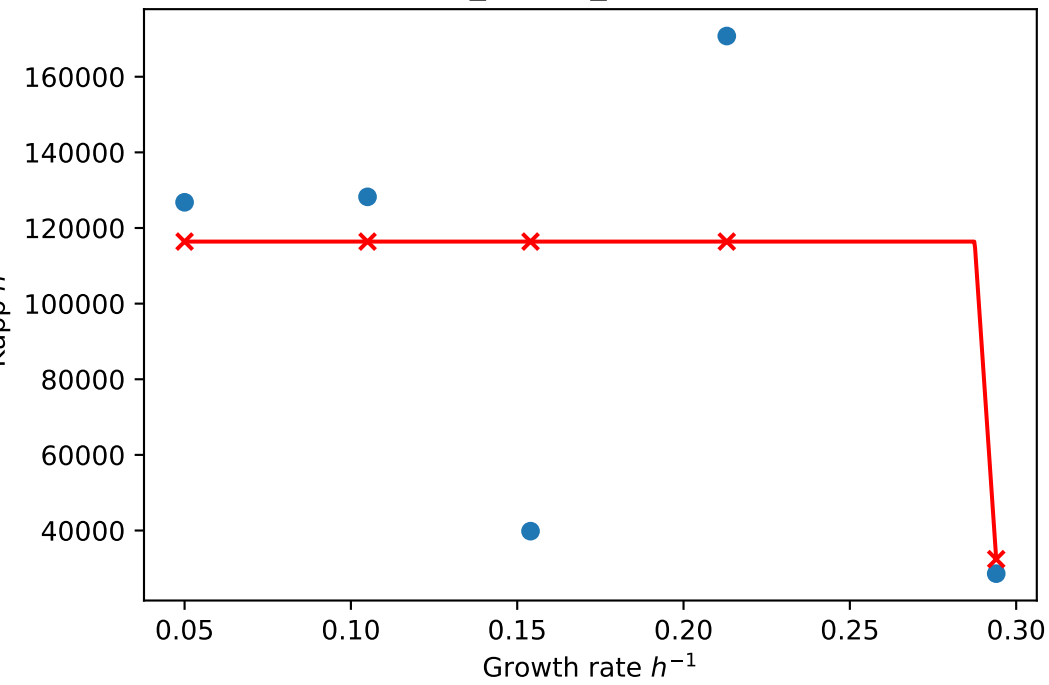
1e9



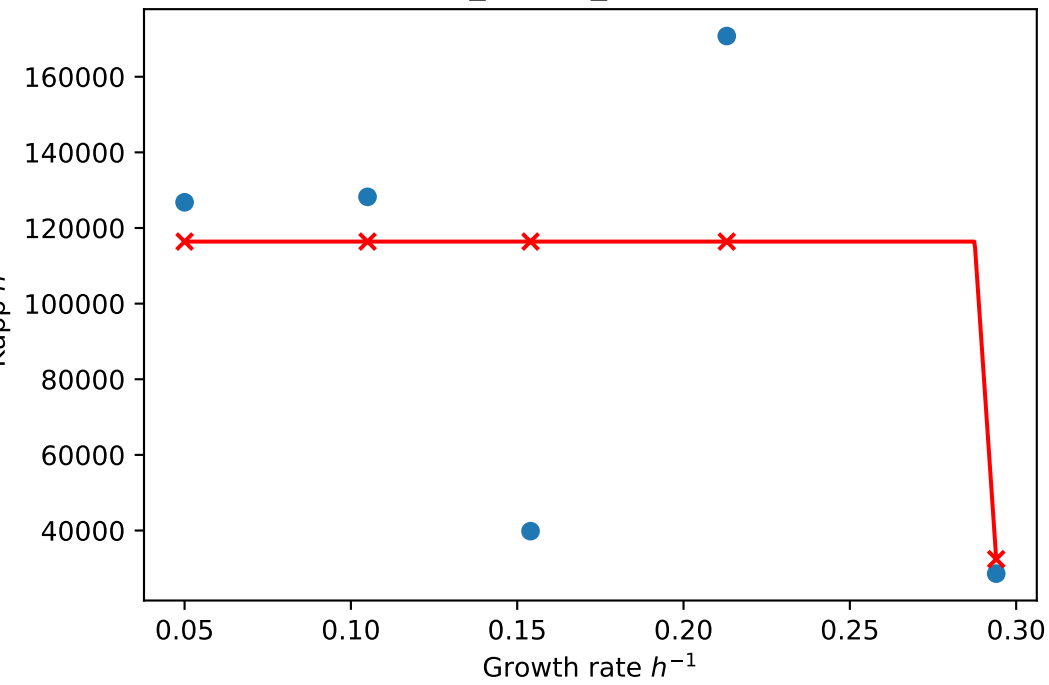
R_IPMD_enzyme



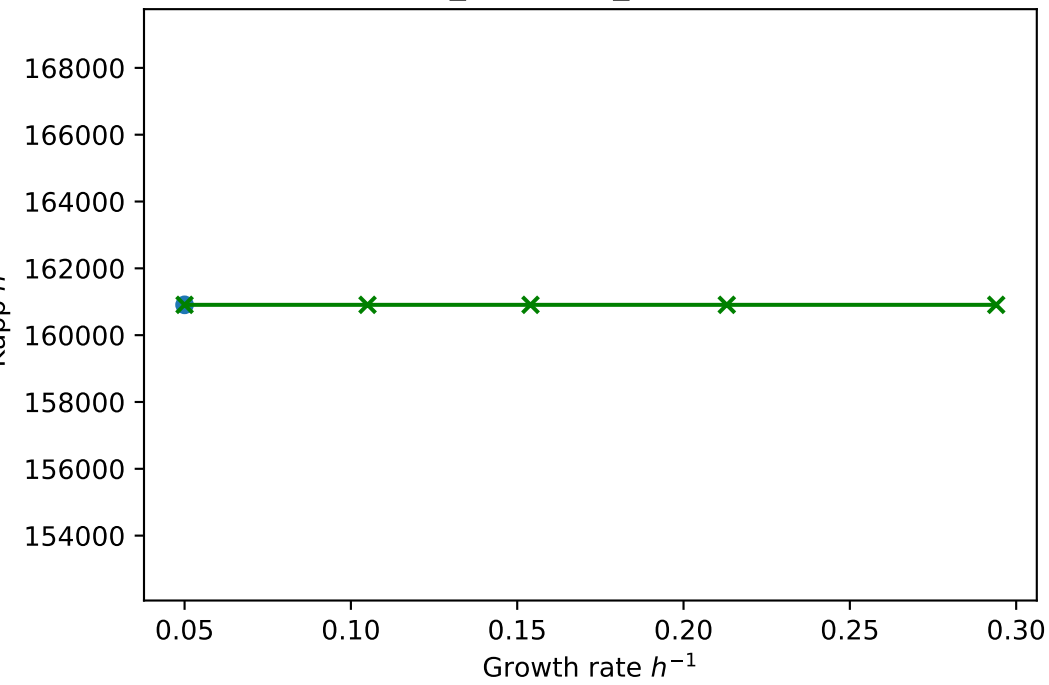
R_IPPMla_enzyme



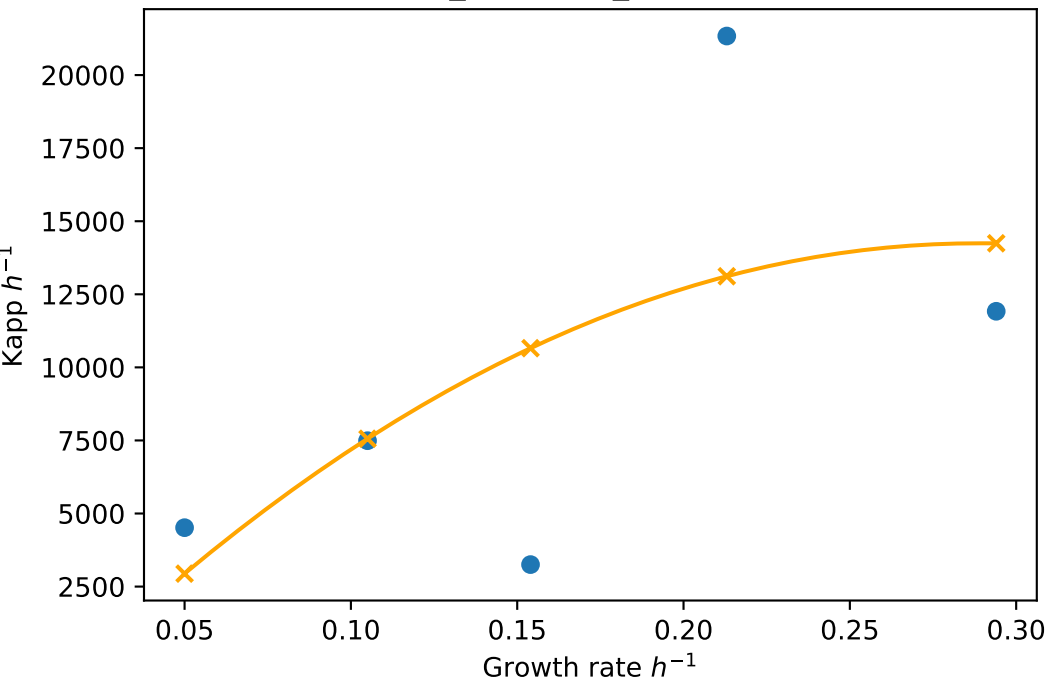
R_IPPMIb_enzyme



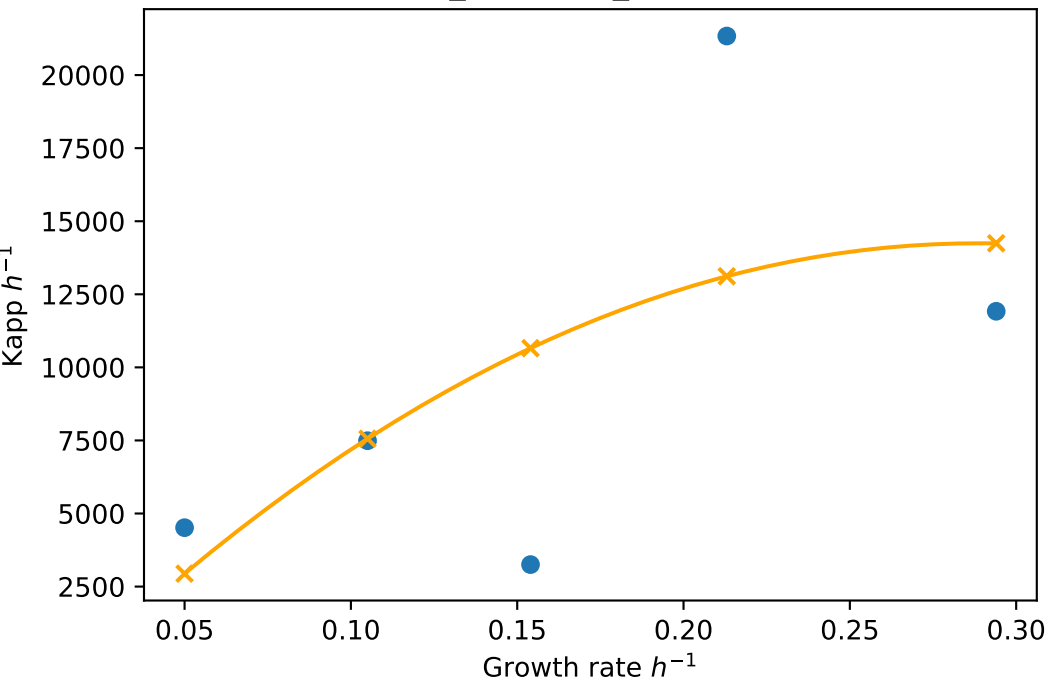
R_ITCOALm_enzyme



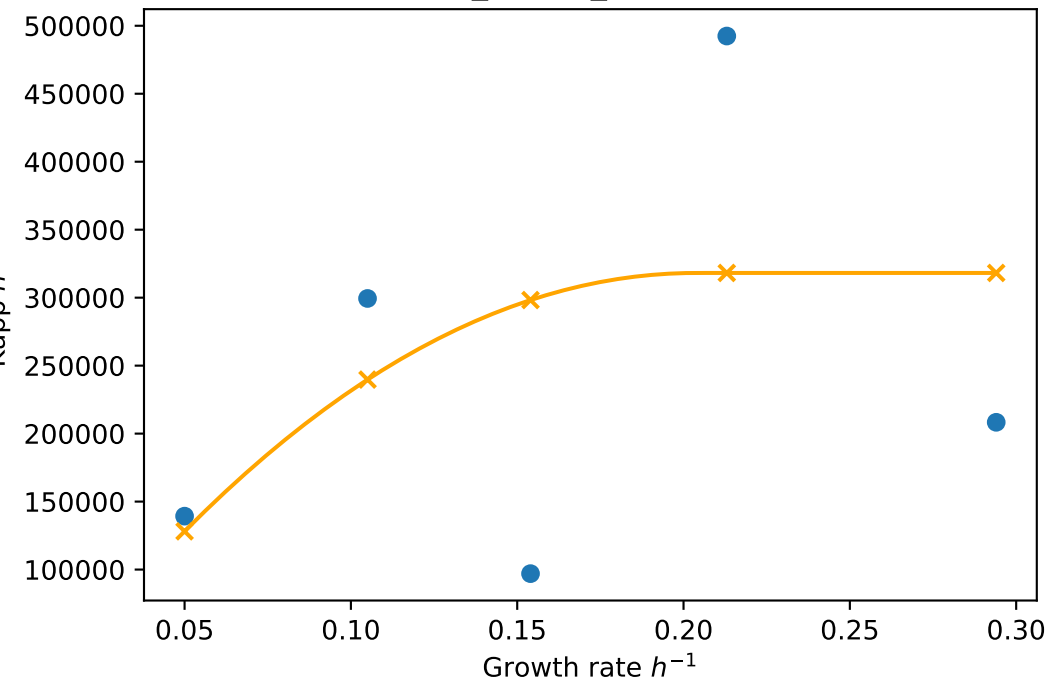
R_KARA1im_enzyme

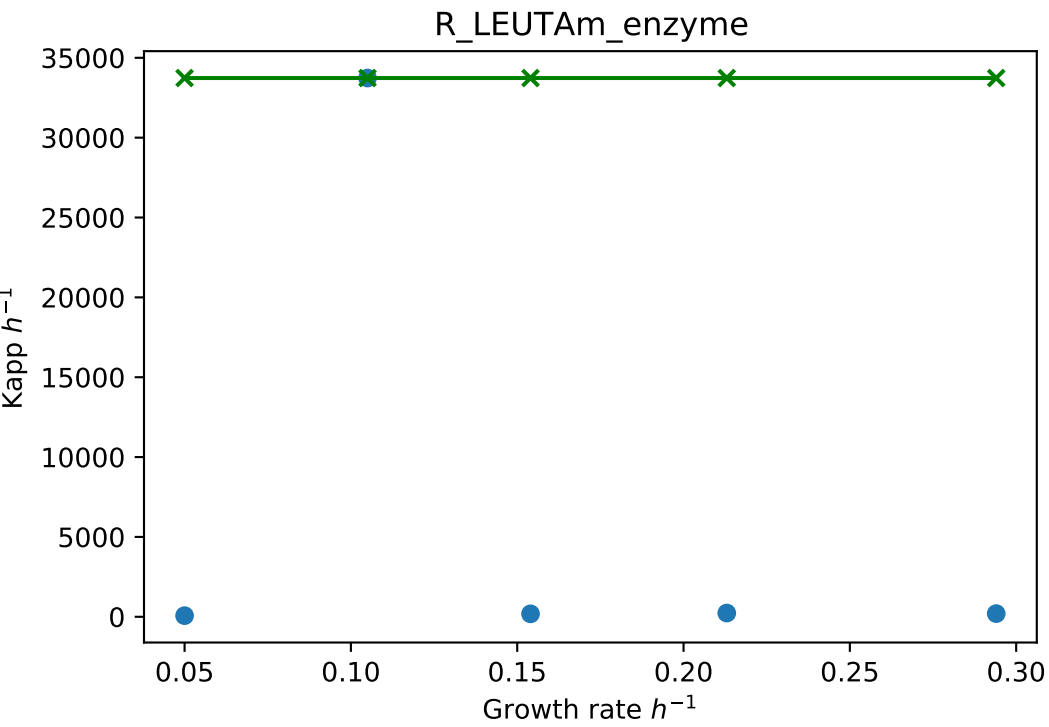


R_KARA2im_enzyme

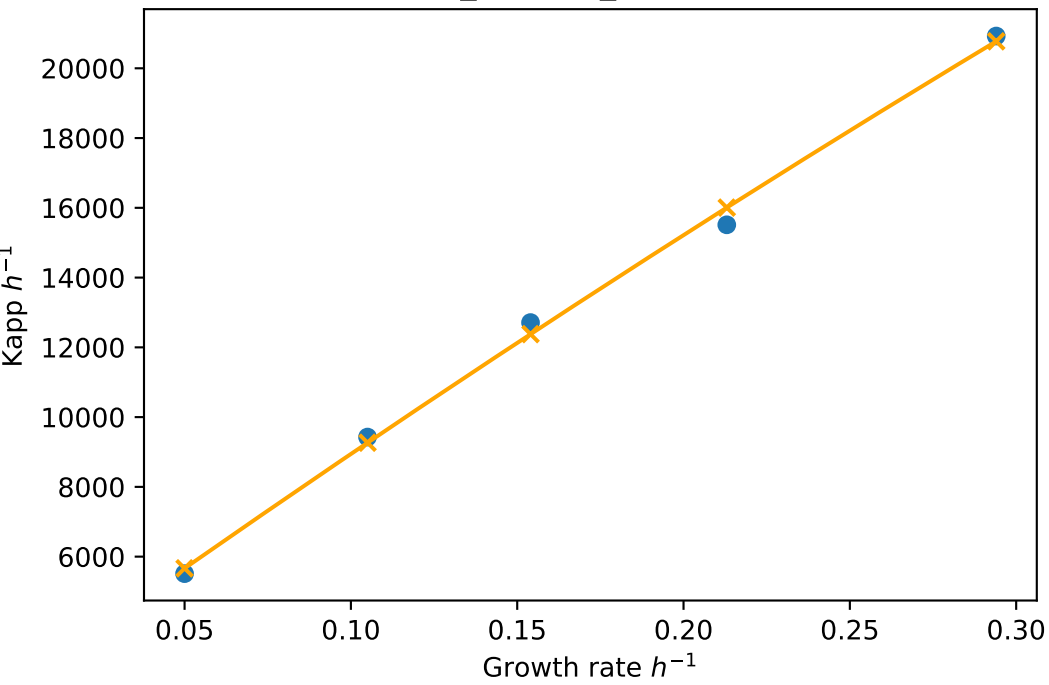


R_LEUTA_enzyme

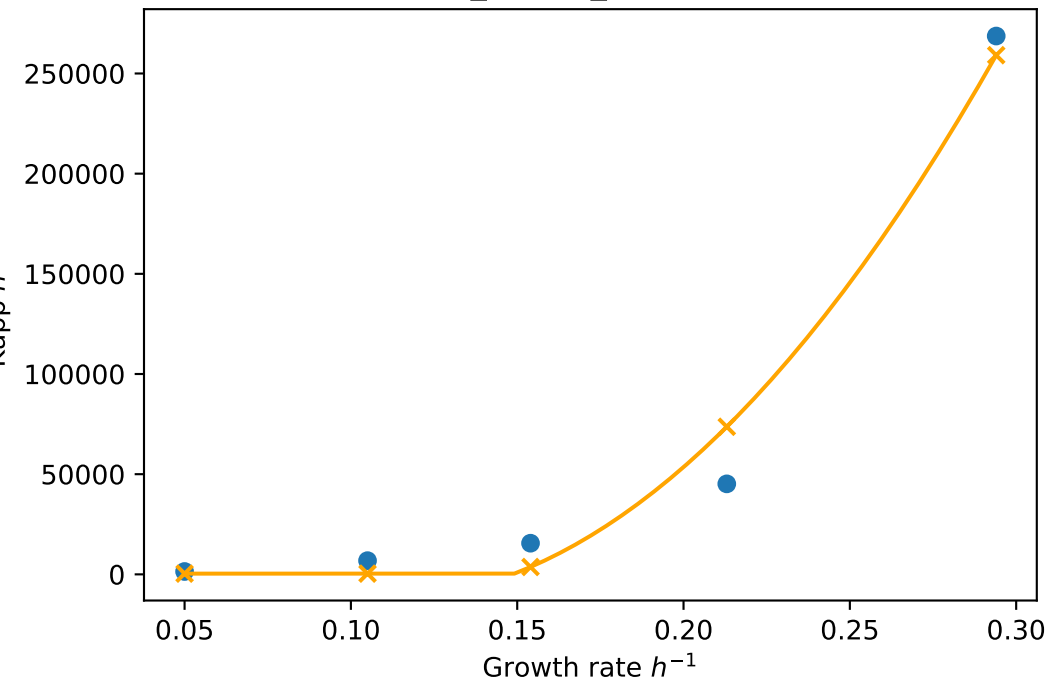




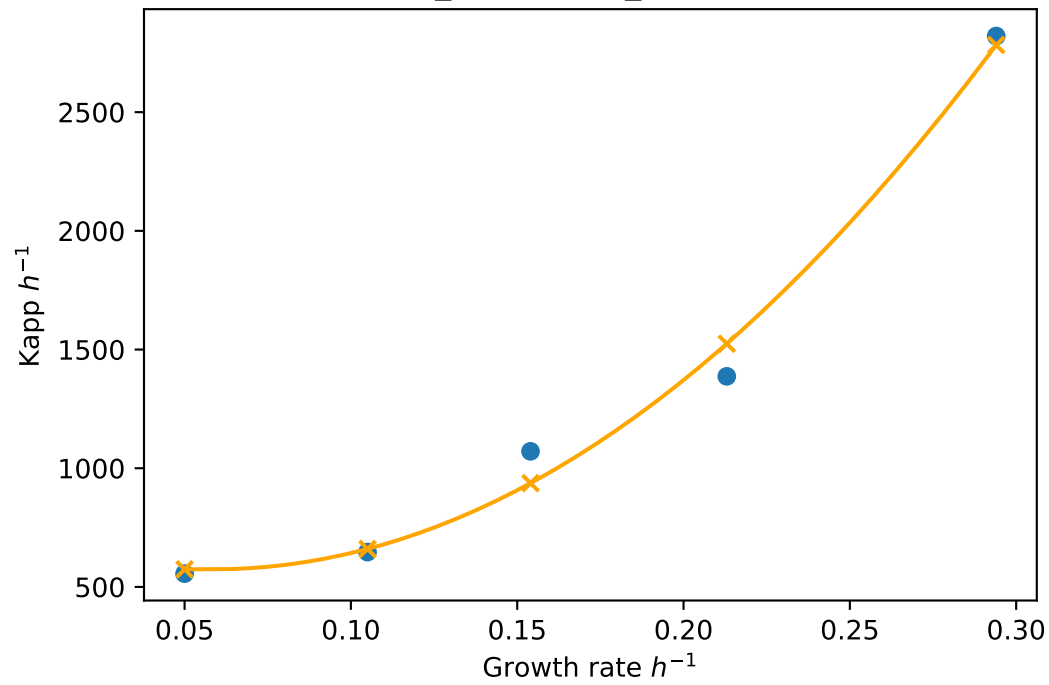
R_LEUTRS_enzyme



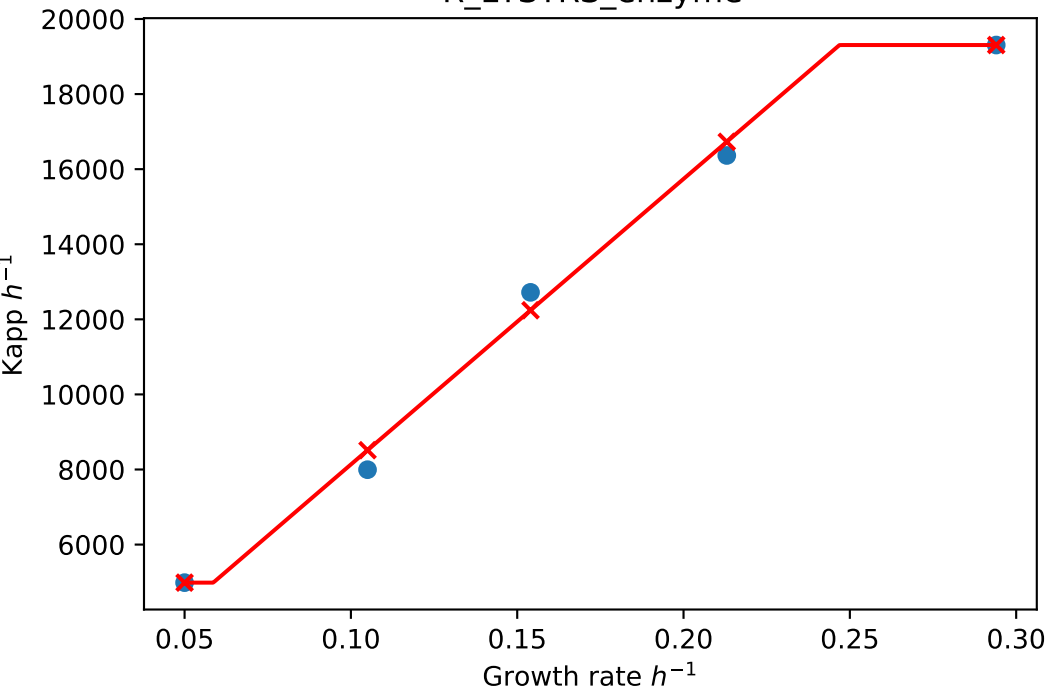
R_LGTHL_enzyme



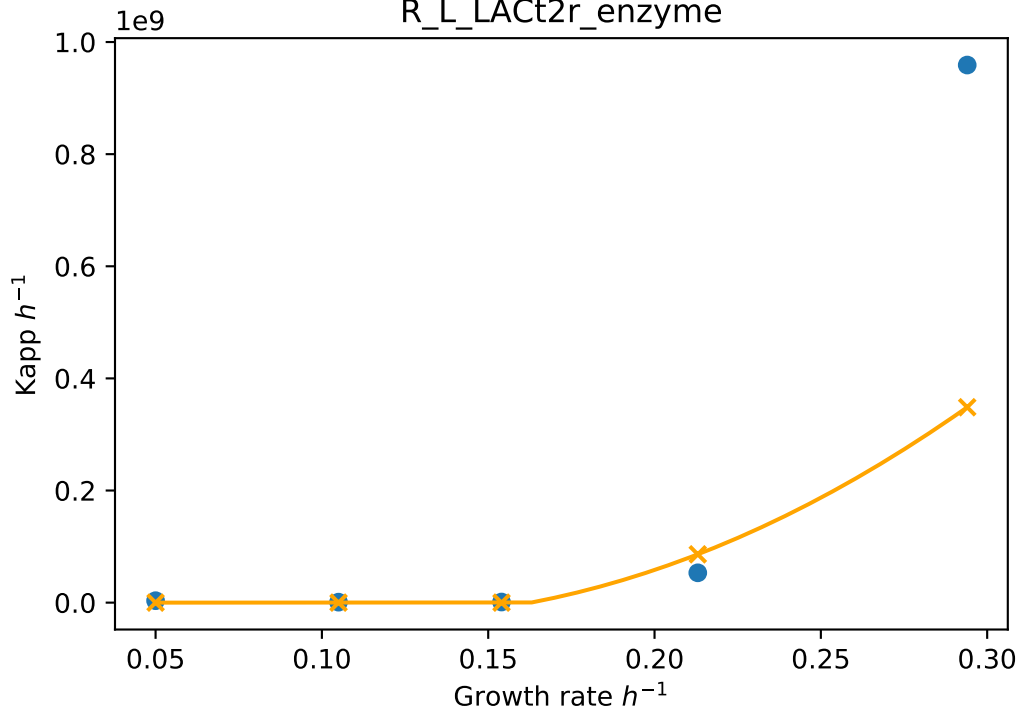
R_LNS14DMx_enzyme



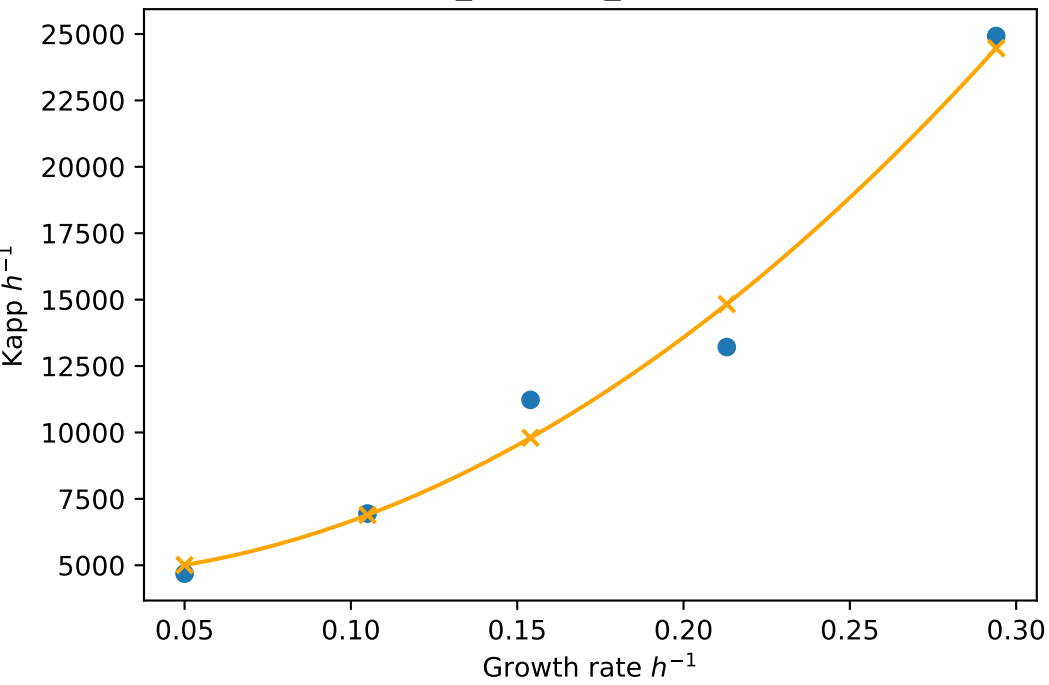
R_LYSTRS_enzyme



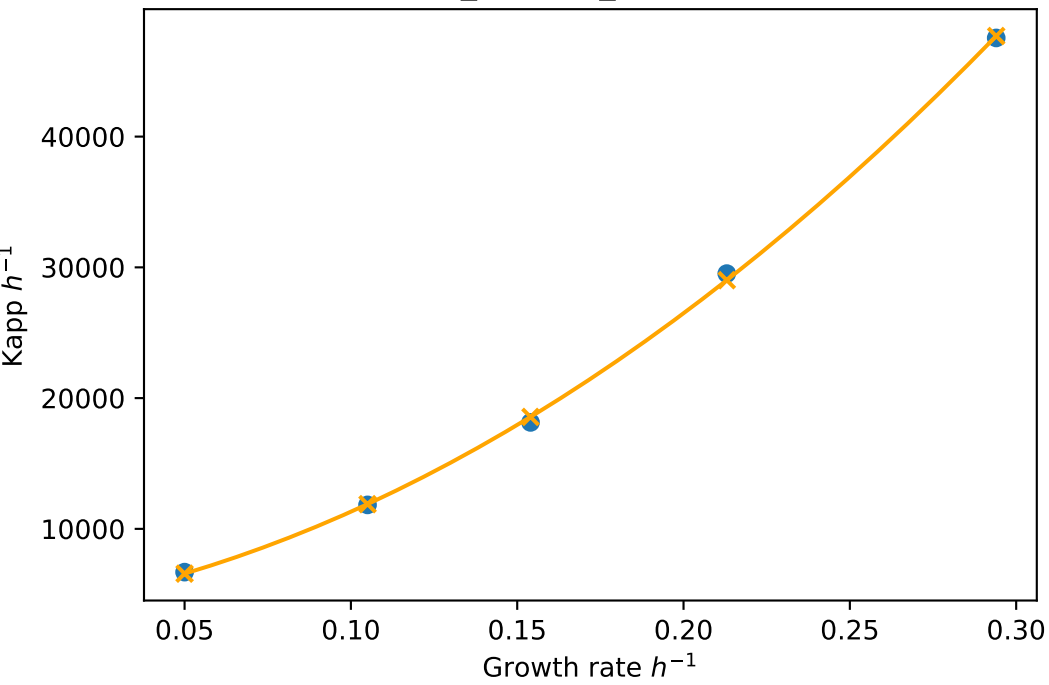
R_L_LACt2r_enzyme



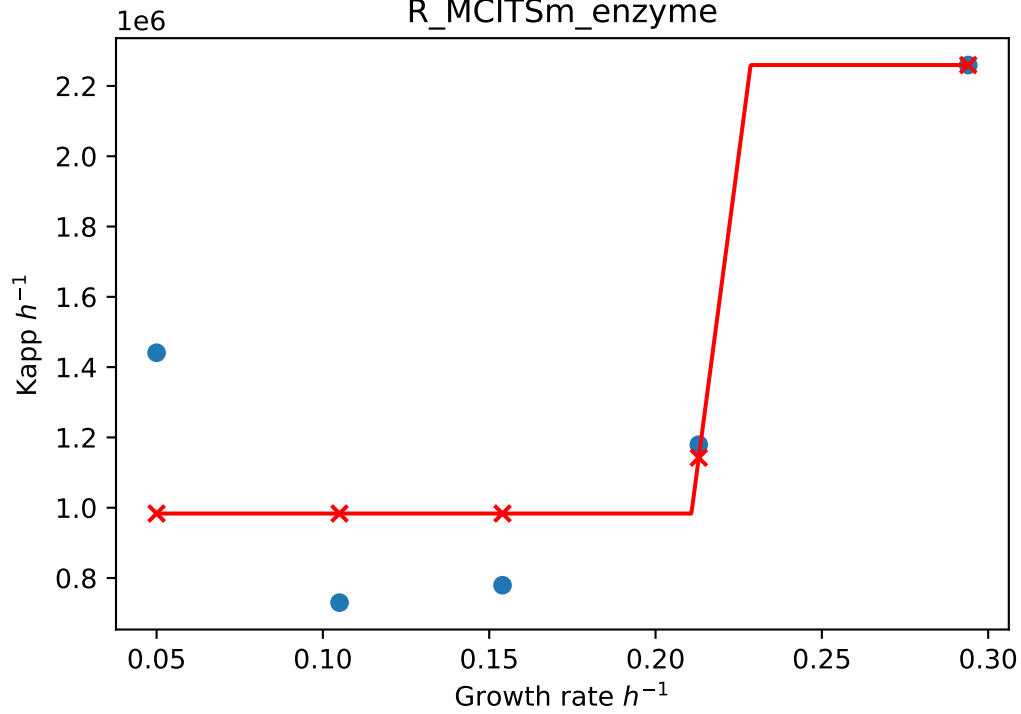
R_MAN1PT_enzyme



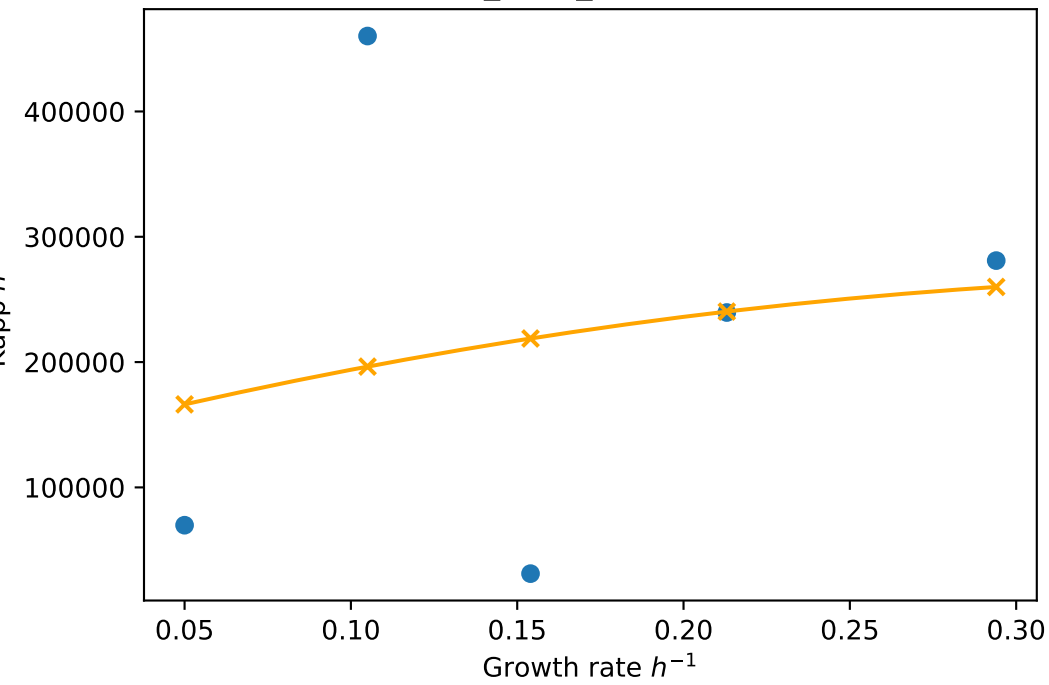
R_MAN6PI_enzyme



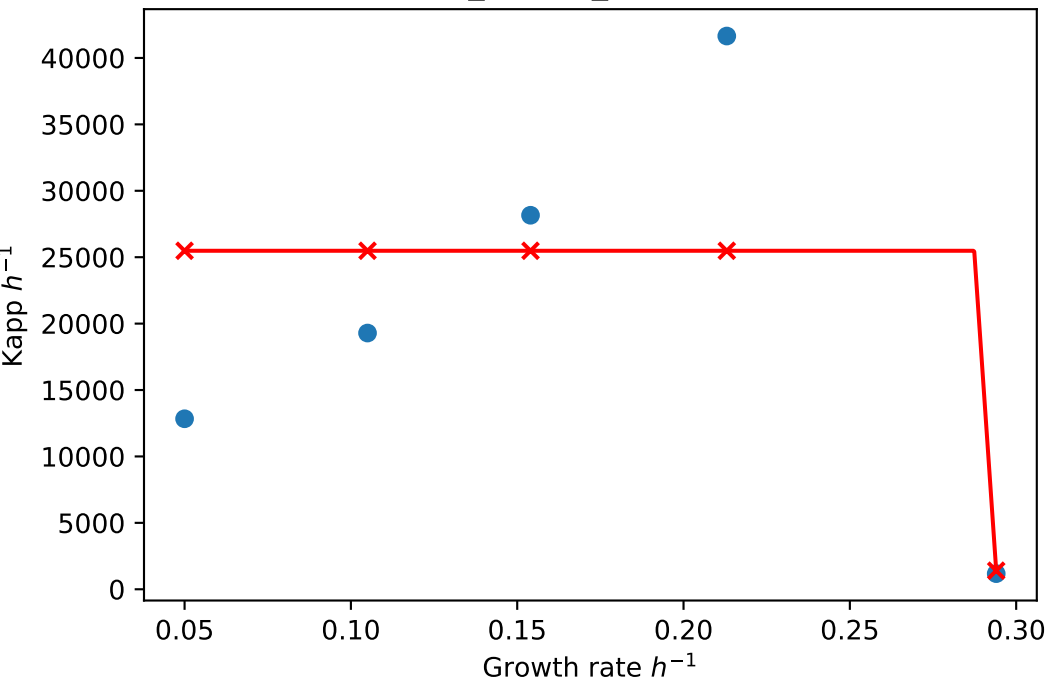
R_MCITSm_enzyme



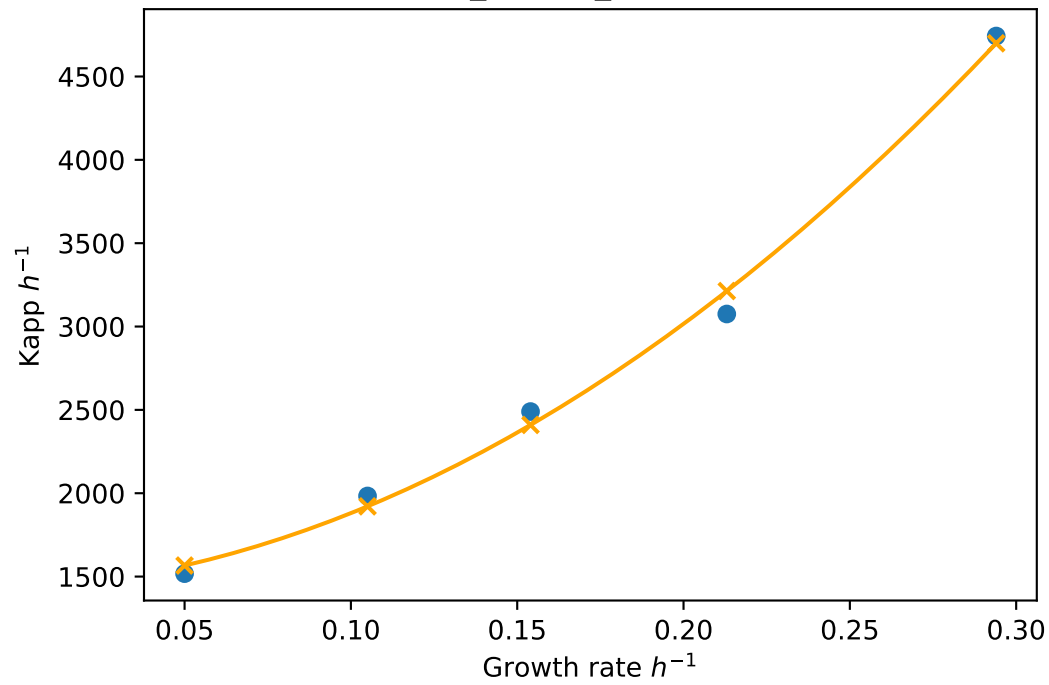
R_MDH_enzyme



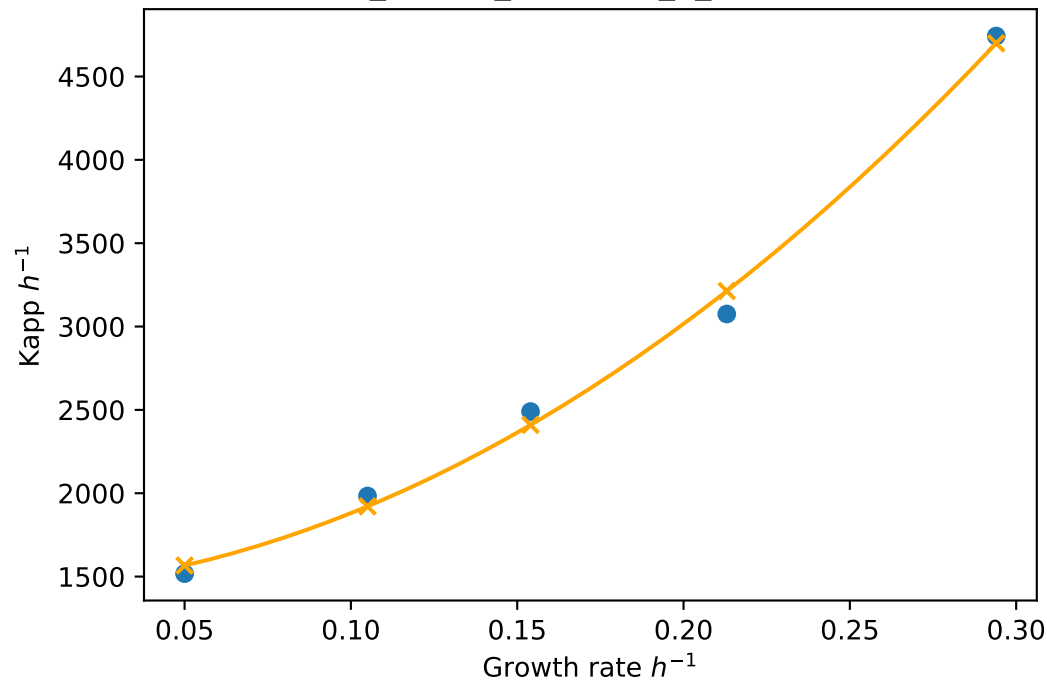
R_MDHm_enzyme



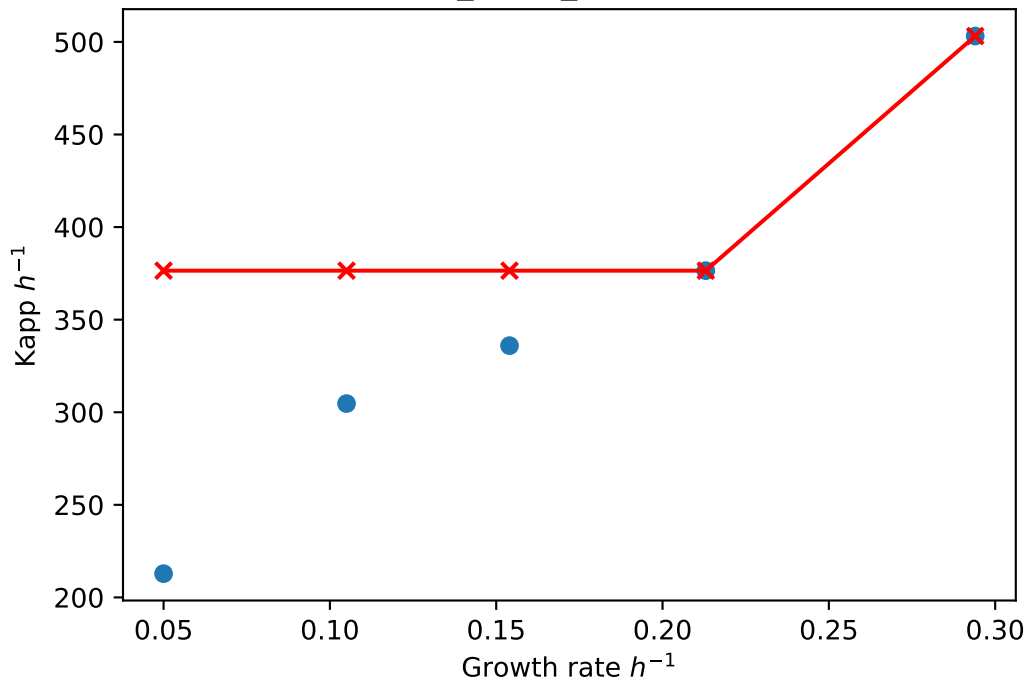
R_METAT_enzyme



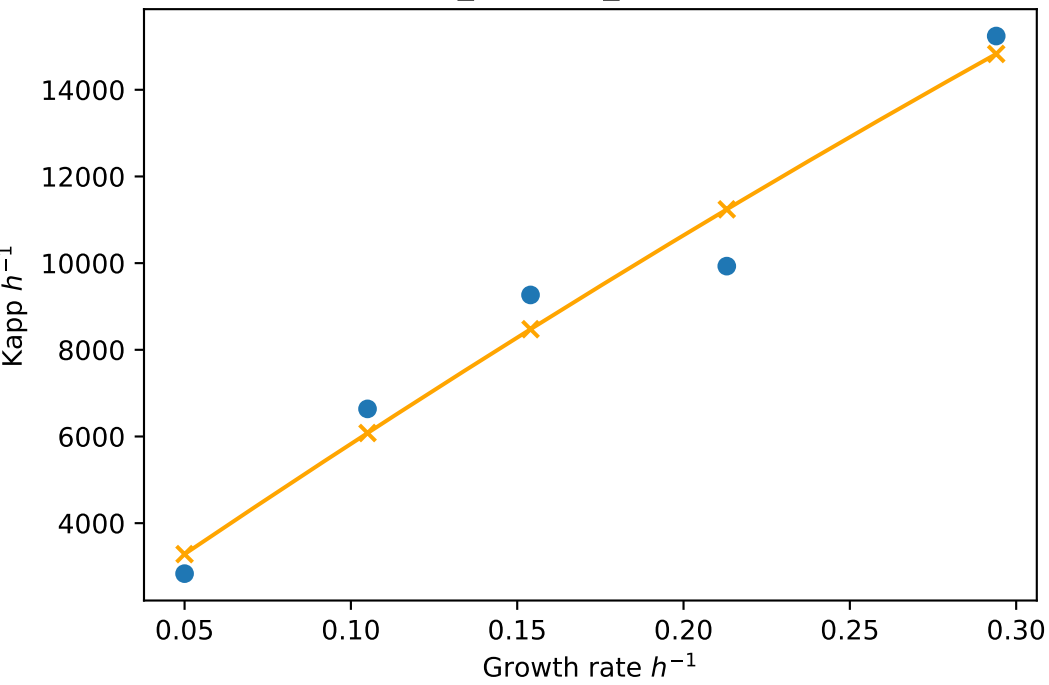
R_METAT_duplicate_2_enzyme



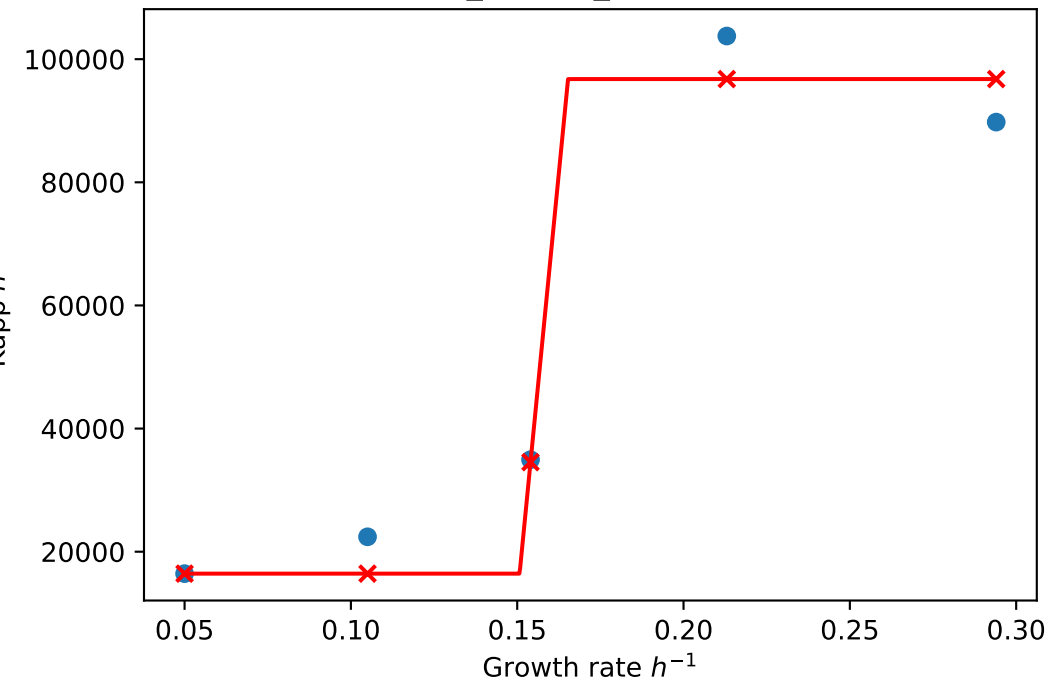
R_METS_enzyme



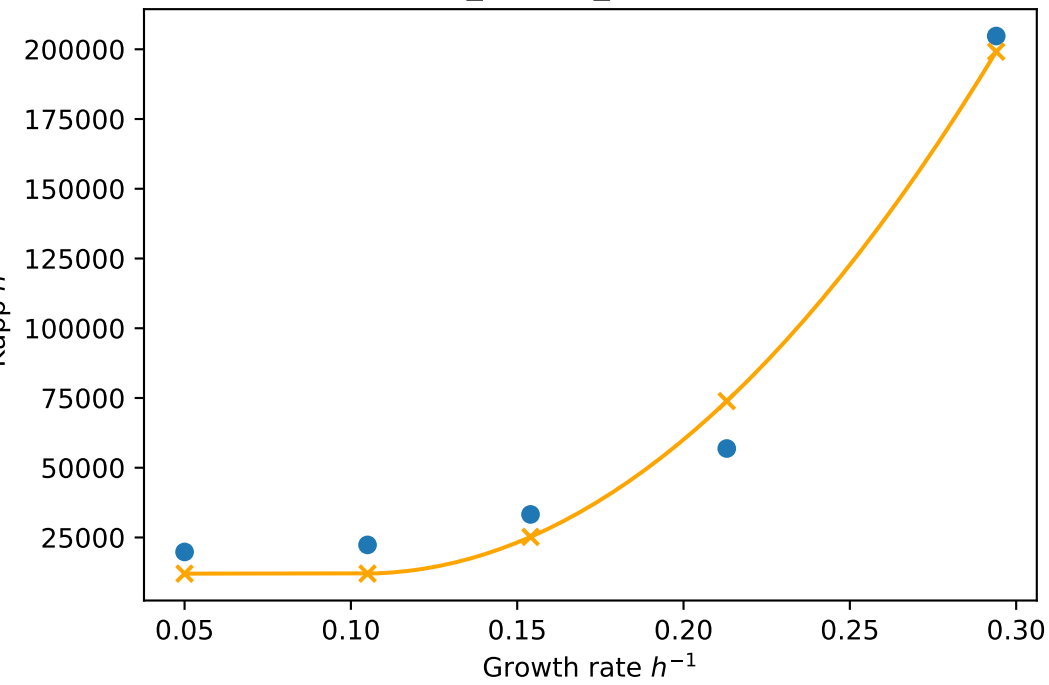
R_METTRS_enzyme



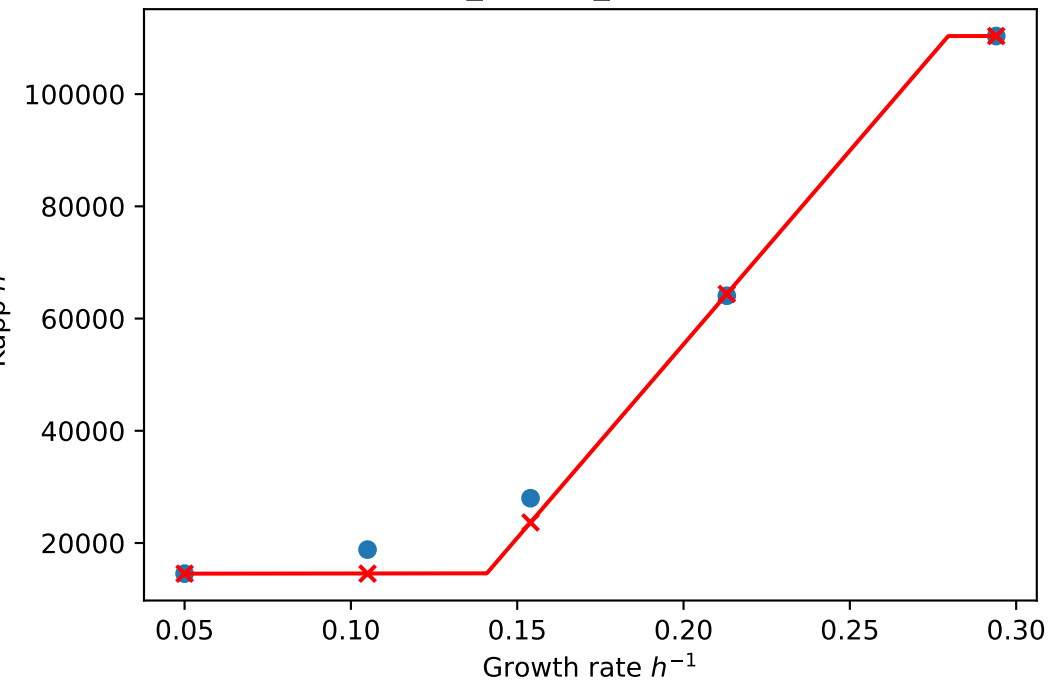
R_MEVK1_enzyme



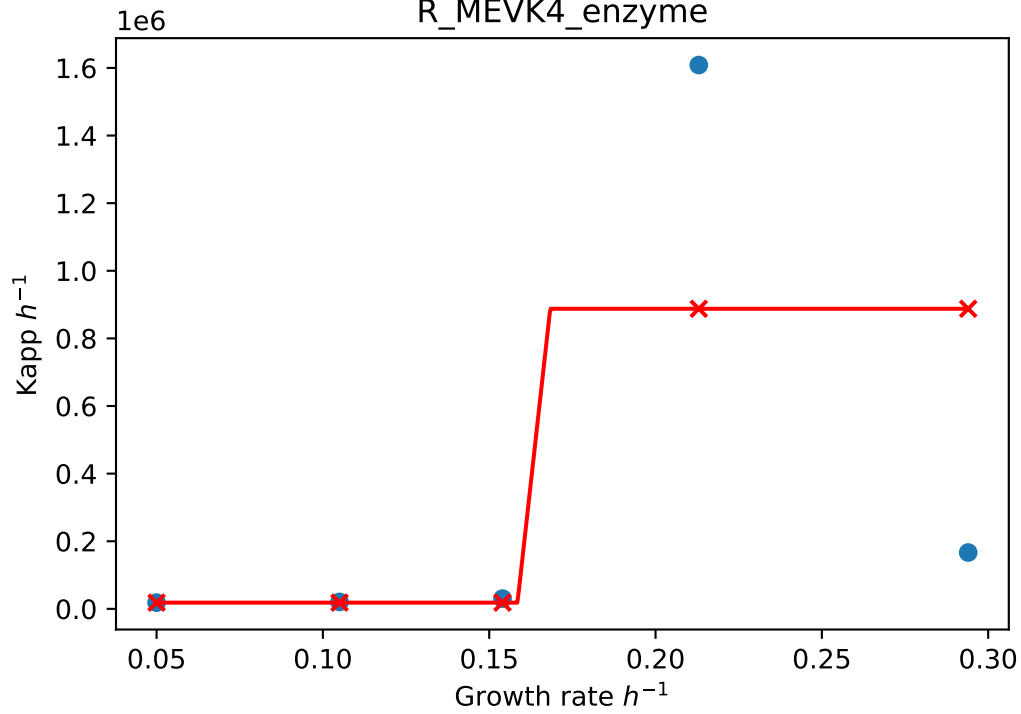
R_MEVK2_enzyme



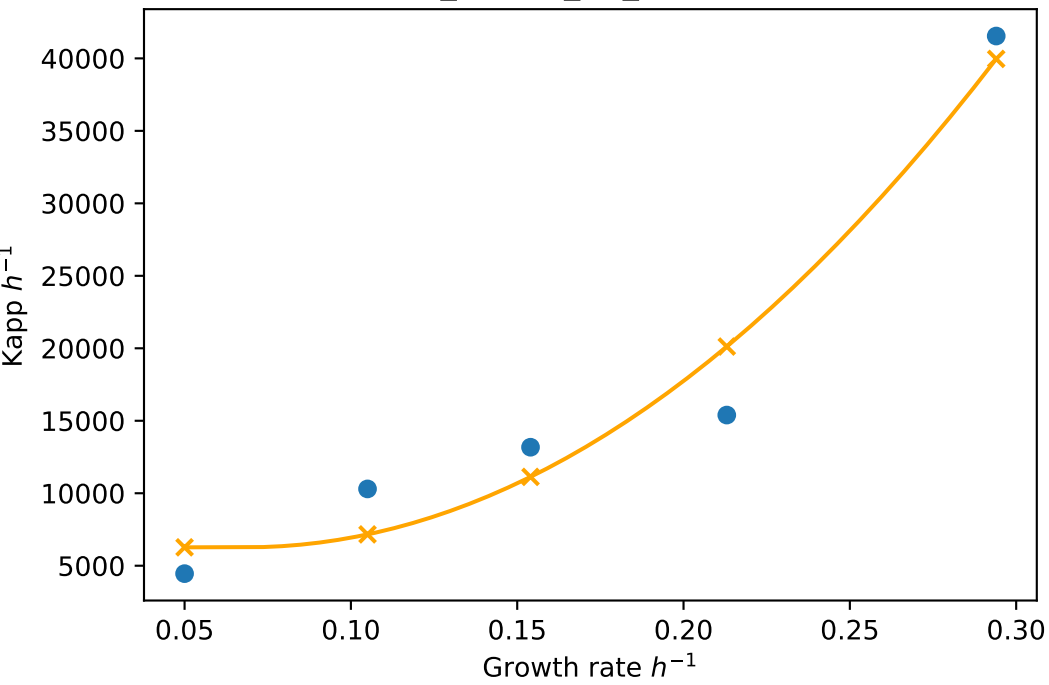
R_MEVK3_enzyme



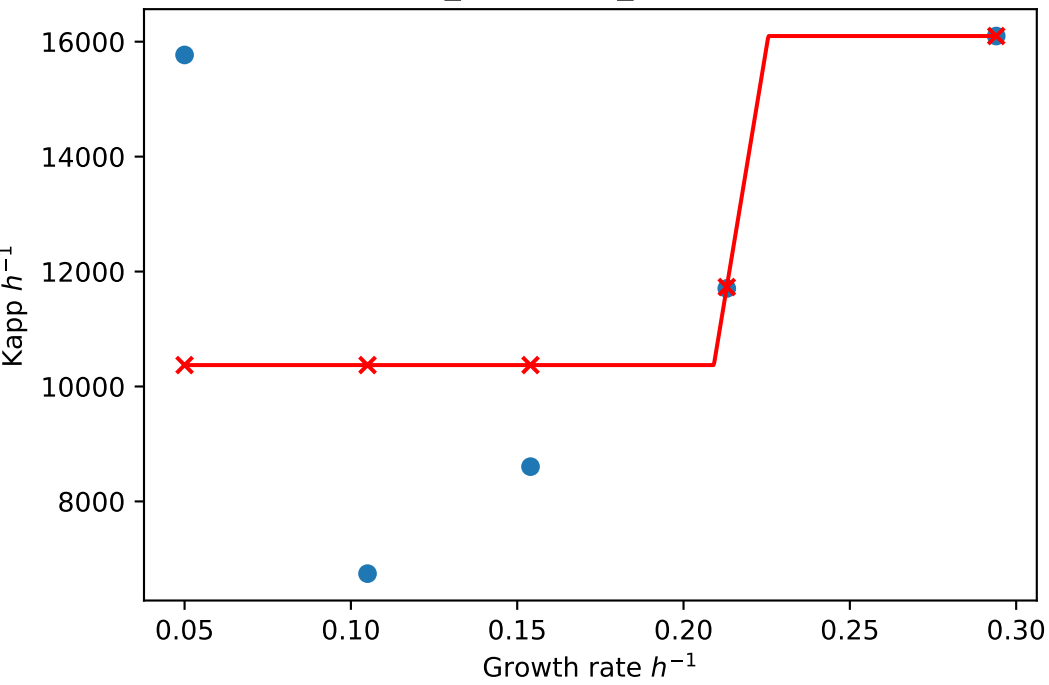
R_MEVK4_enzyme



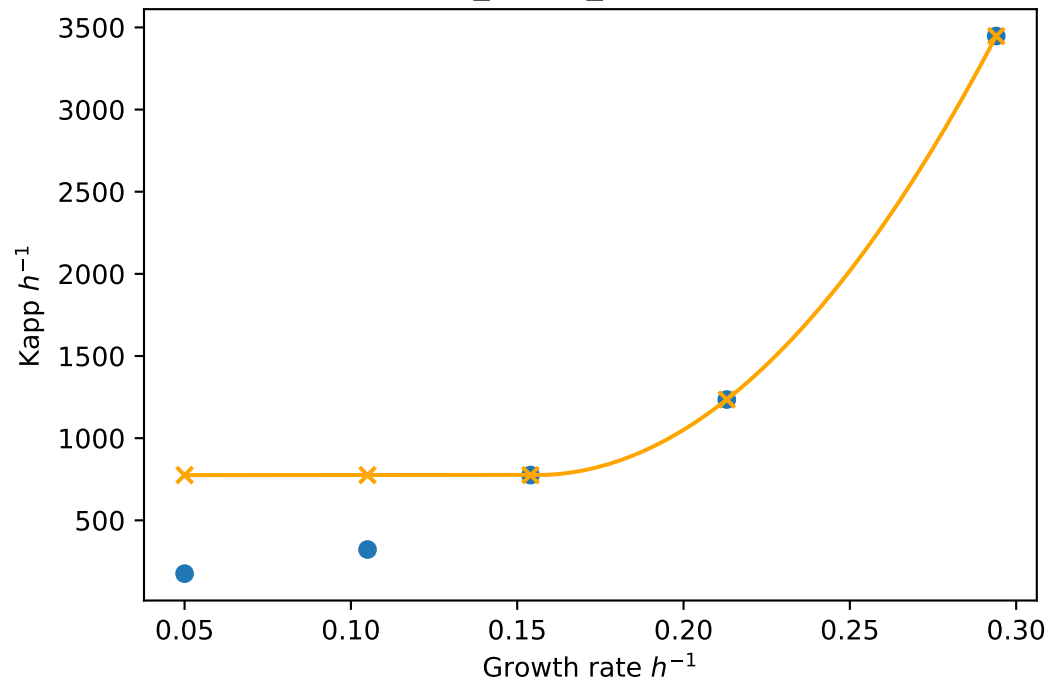
R_MFAPS_SC_enzyme



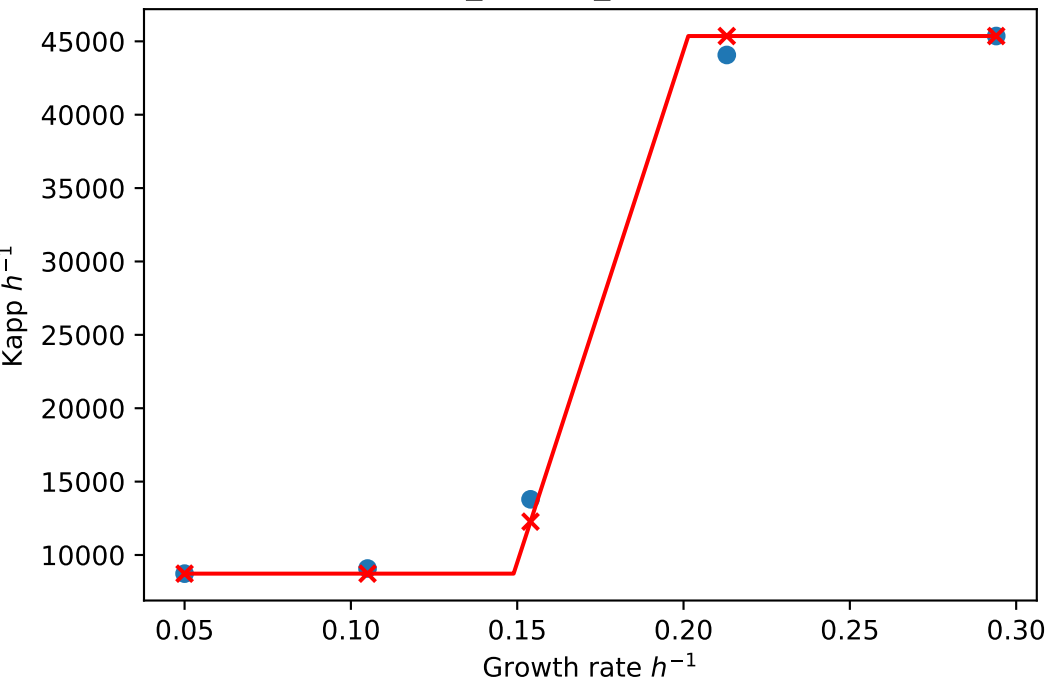
R_MHPGLUT_enzyme



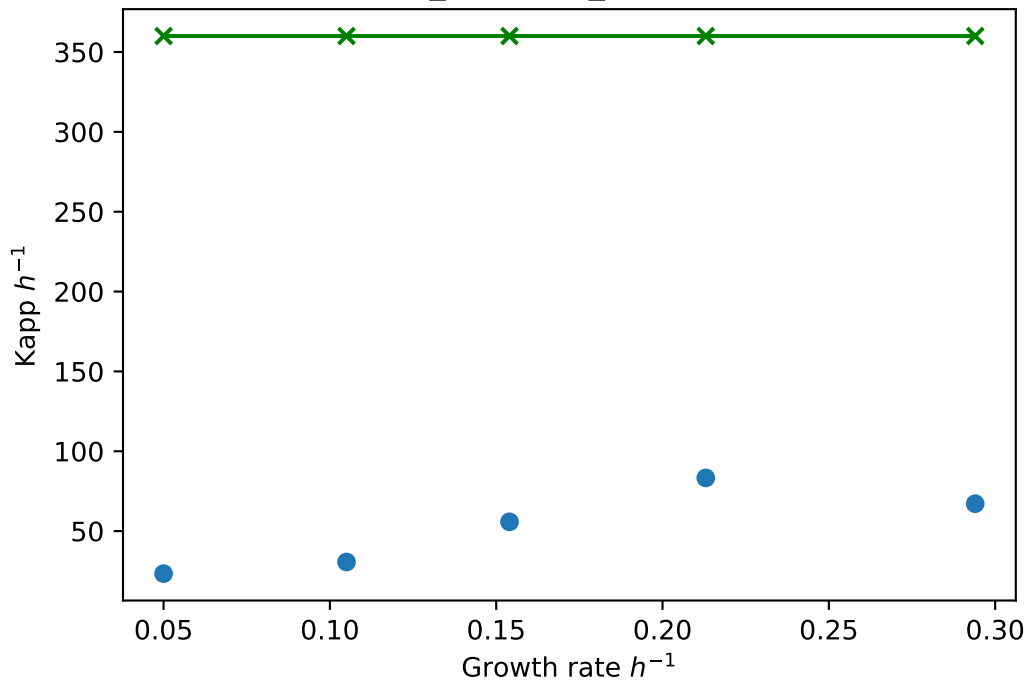
R_MI1PS_enzyme



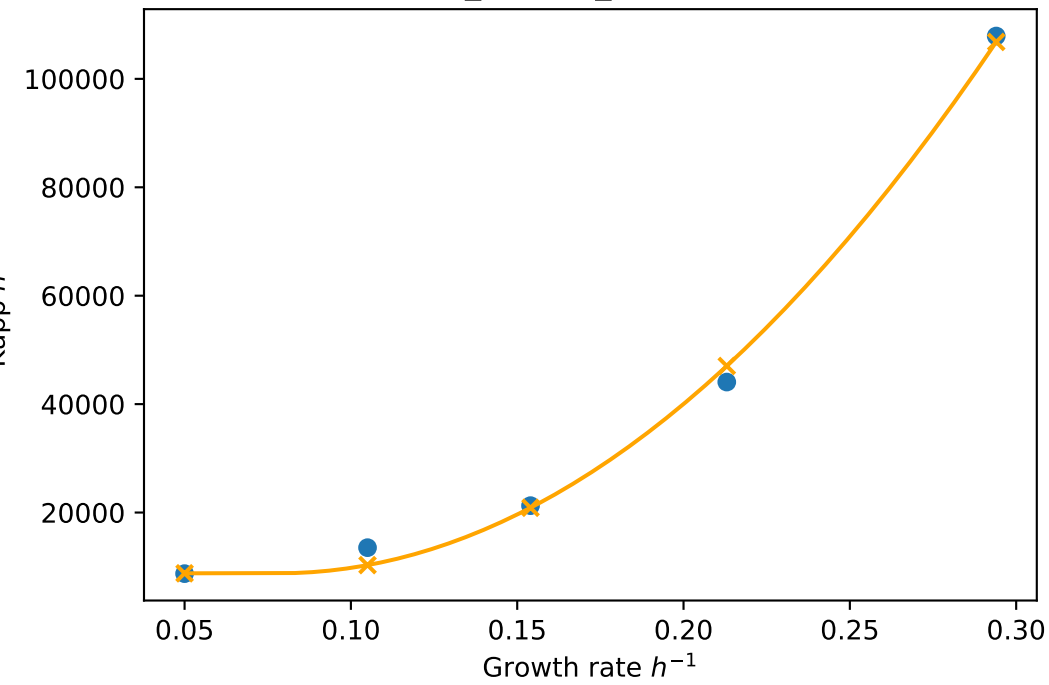
R_MTHFC_enzyme



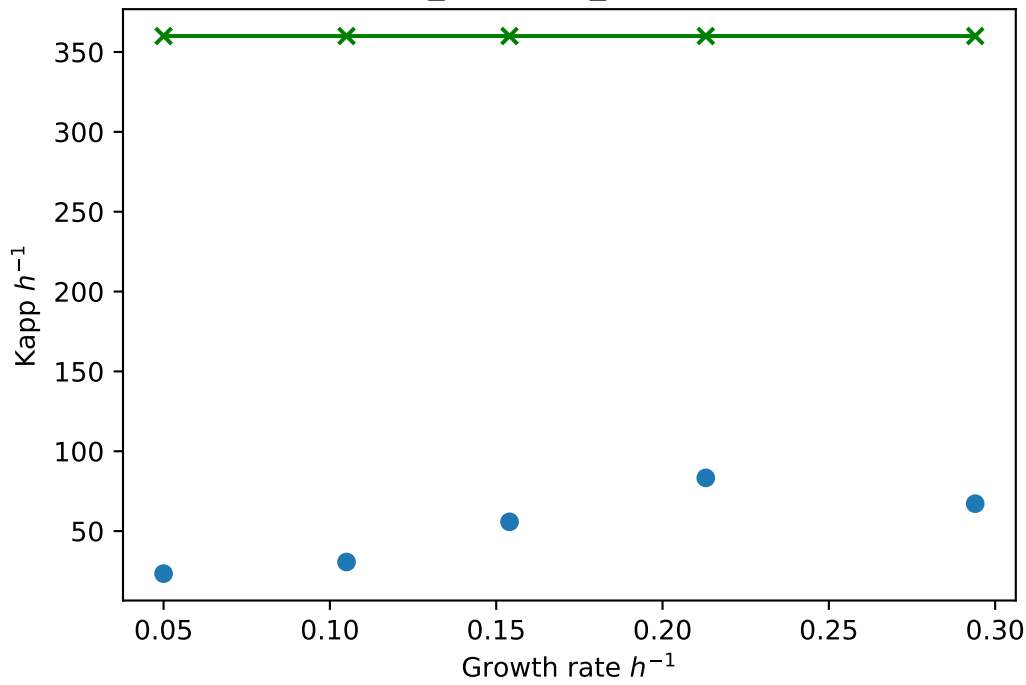
R_MTHFCm_enzyme



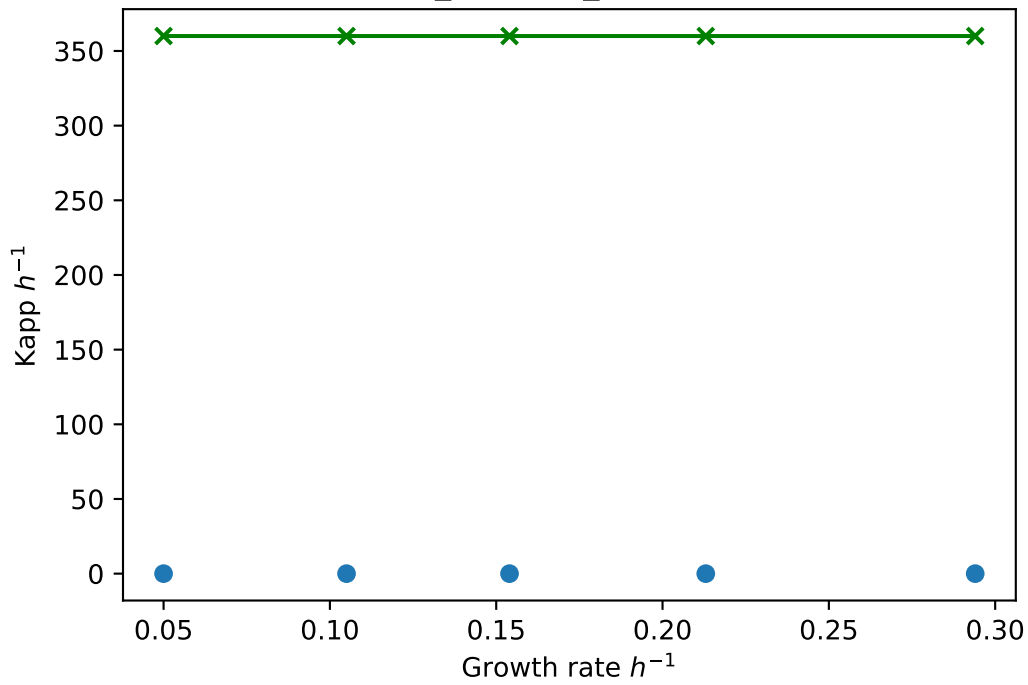
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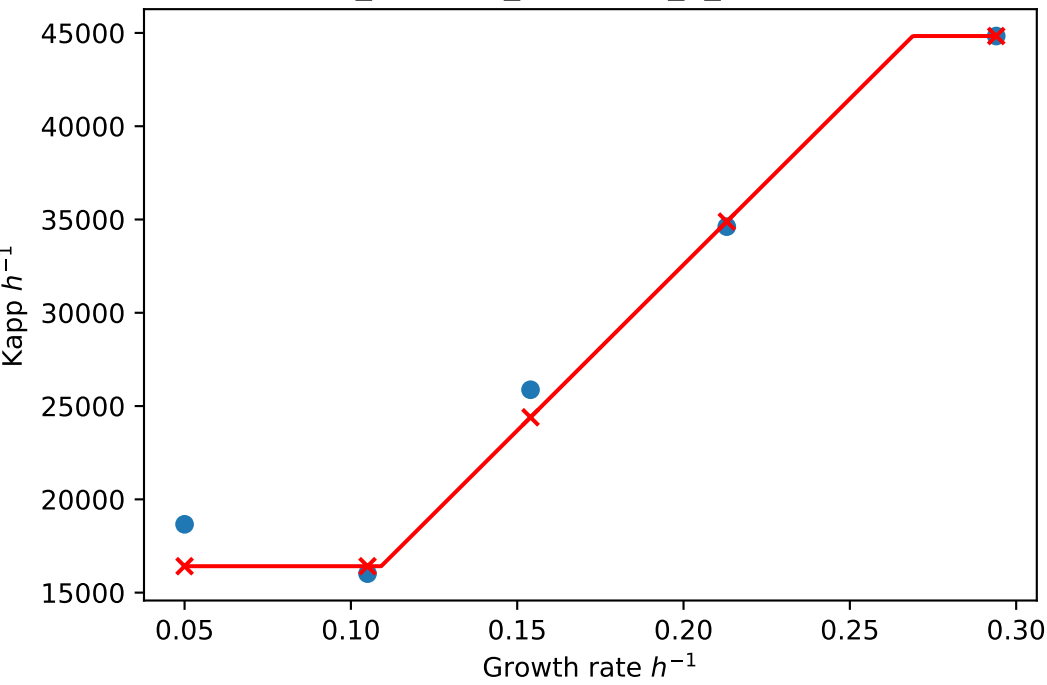
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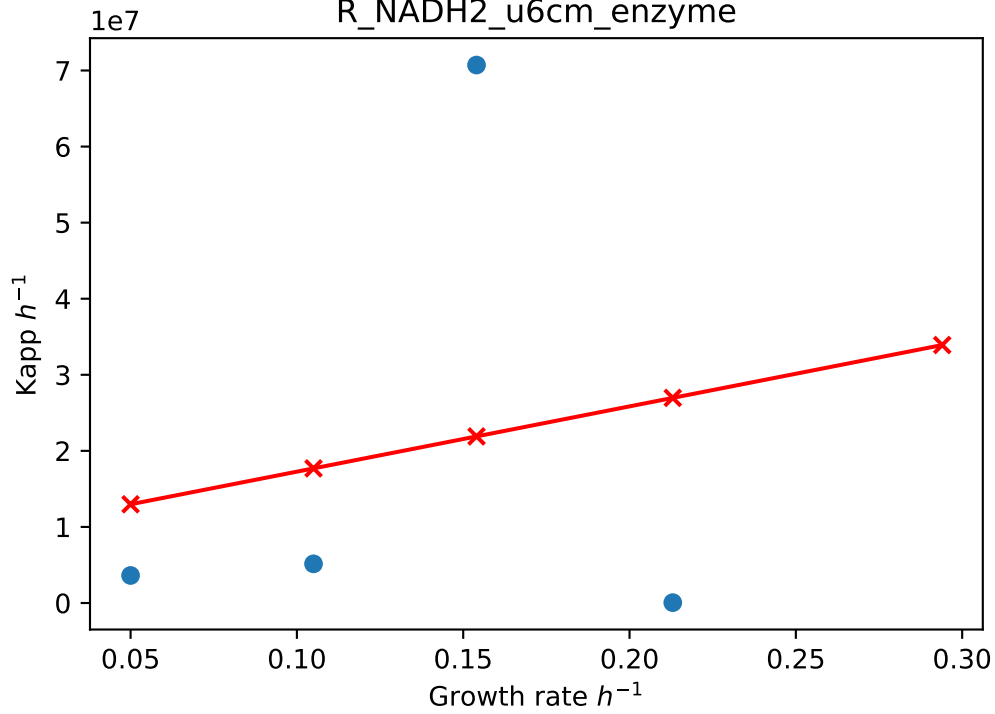
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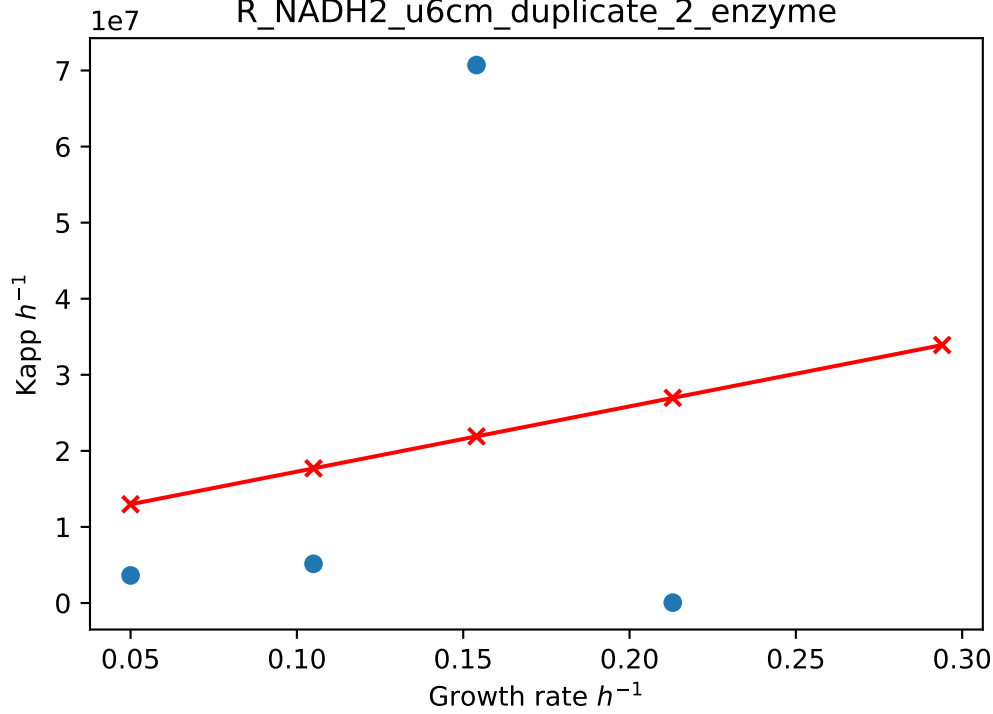
R_MTHFR3_duplicate_2_enzyme



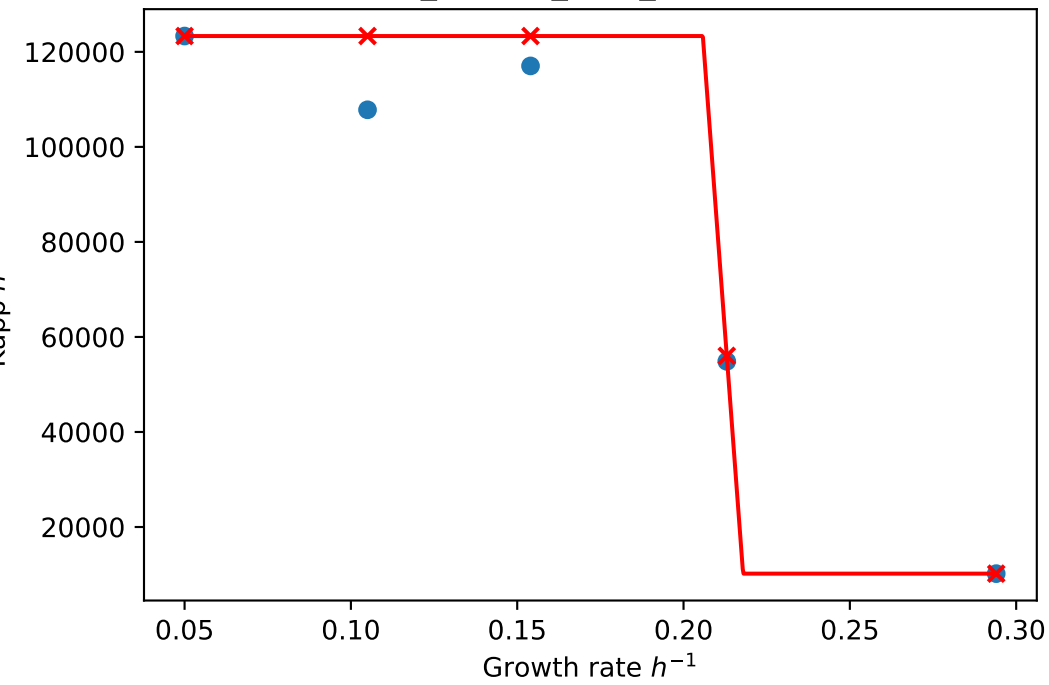
R_NADH2_u6cm_enzyme



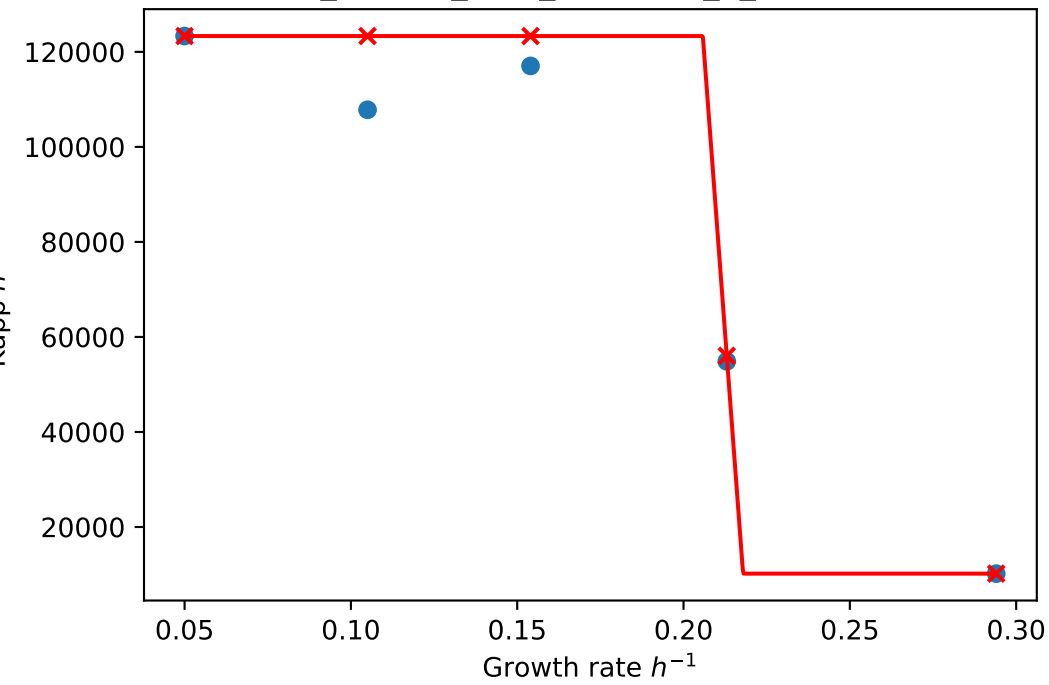
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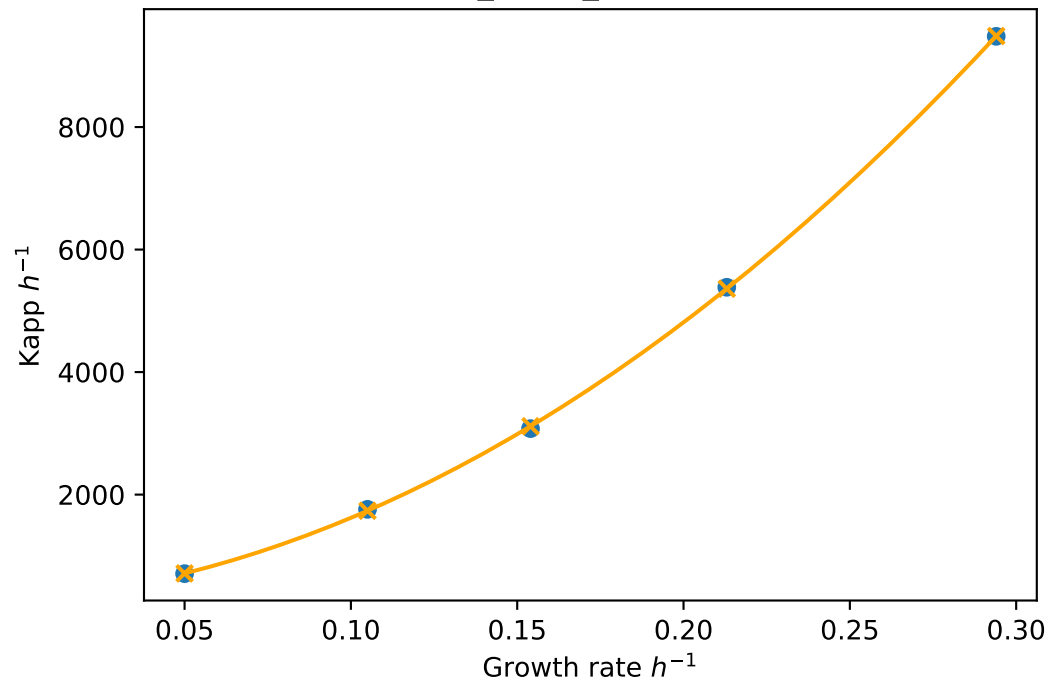
R_NADH2_u6m_enzyme



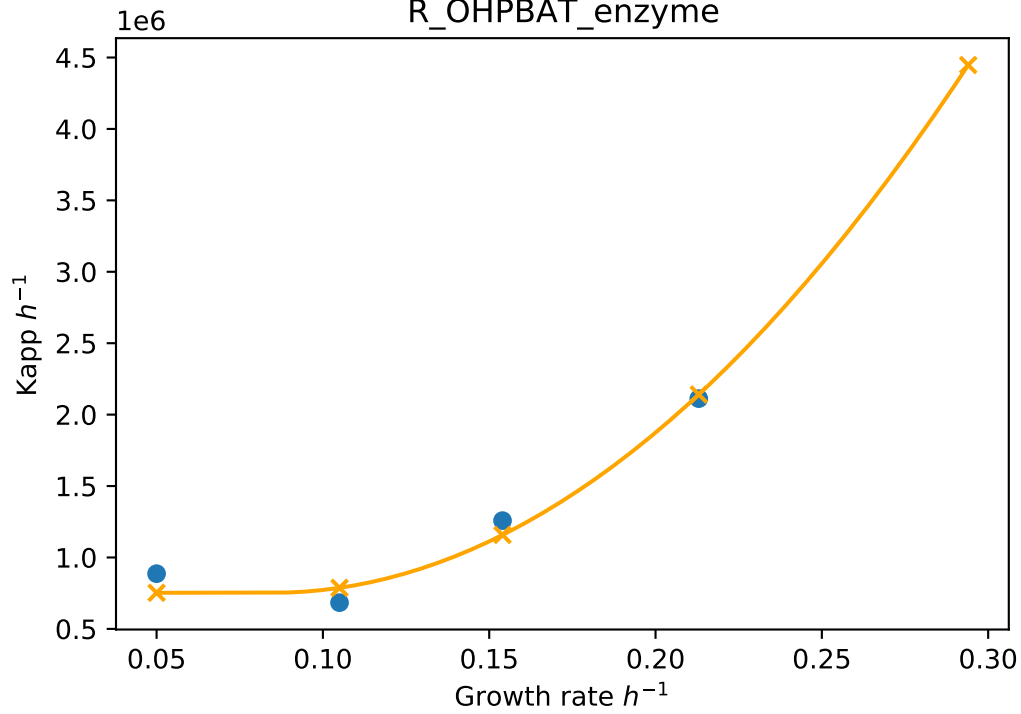
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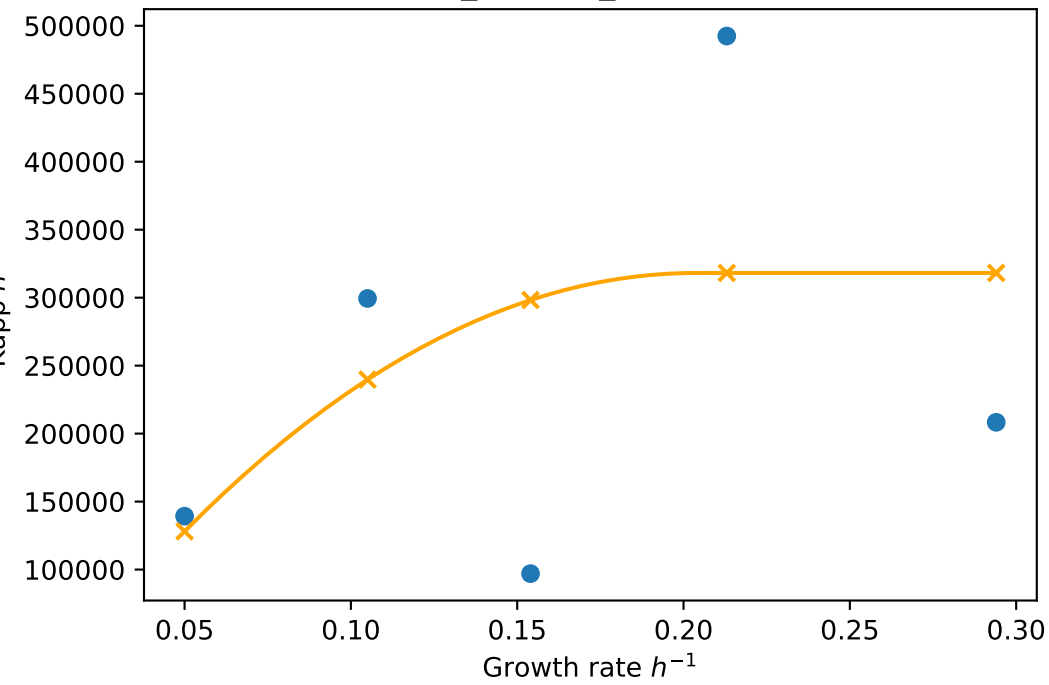
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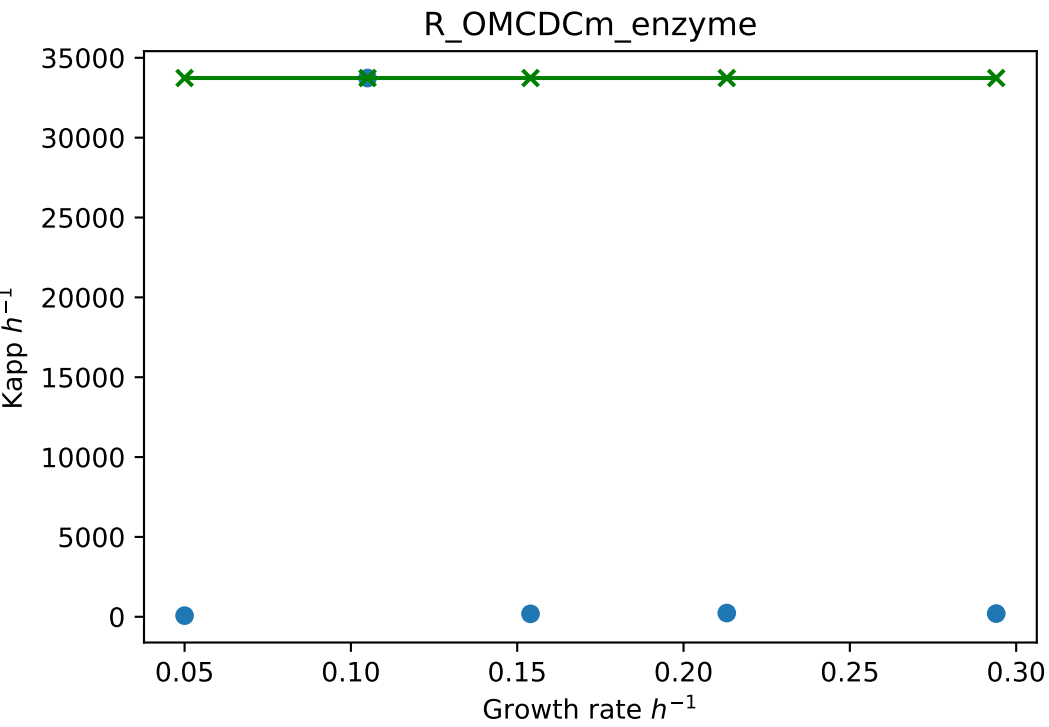


R_OHPBAT_enzyme

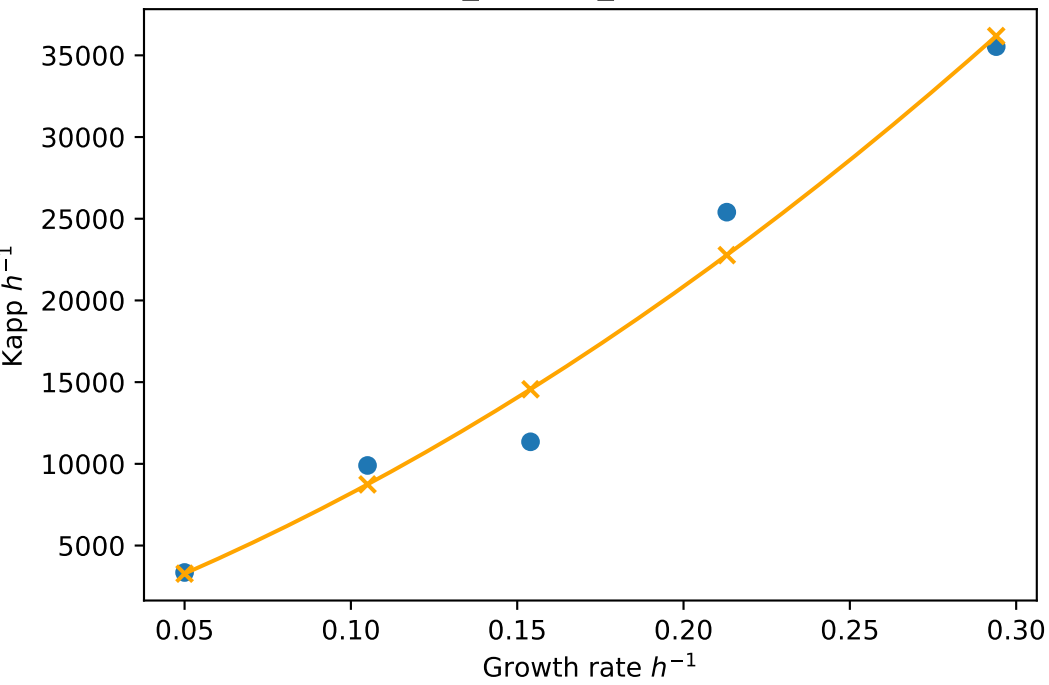


R_OMCDC_enzyme

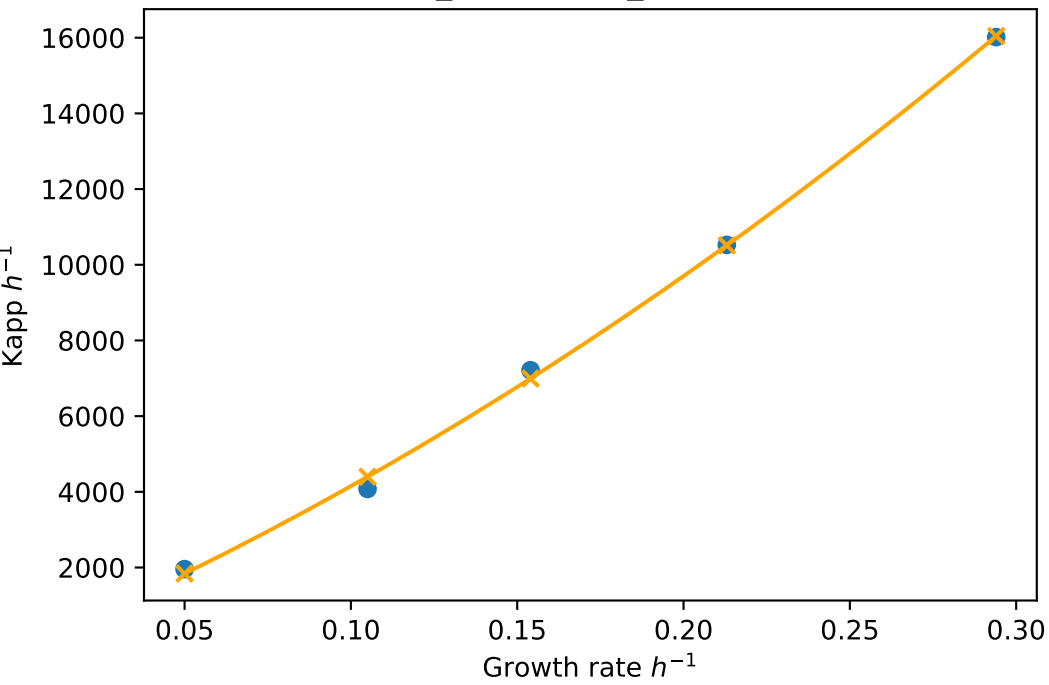




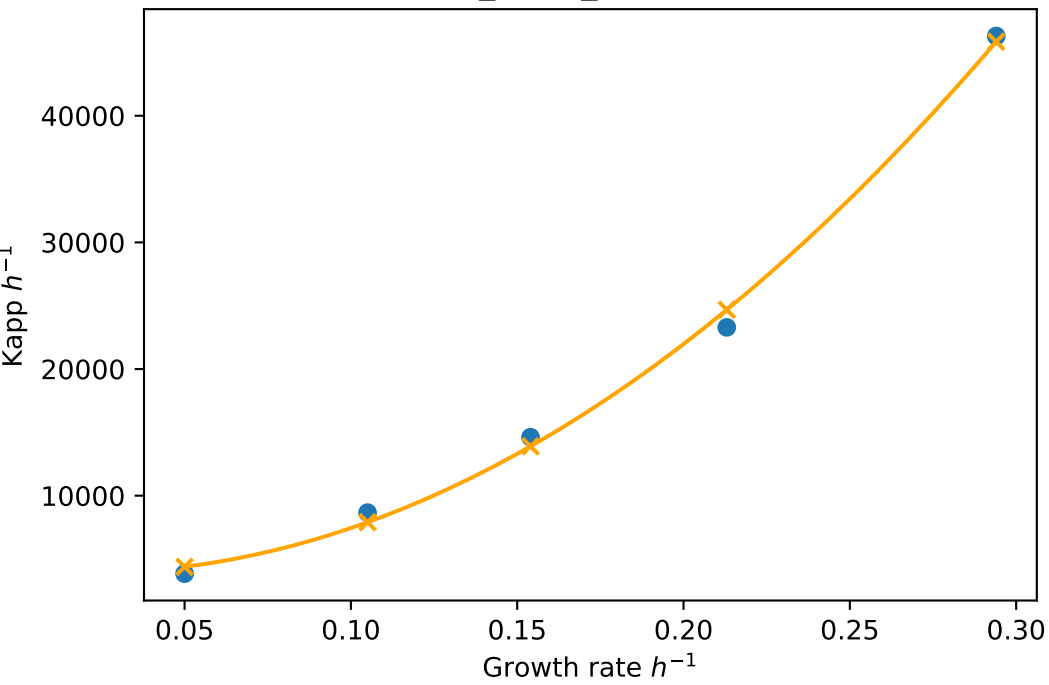
R_OMPDC_enzyme



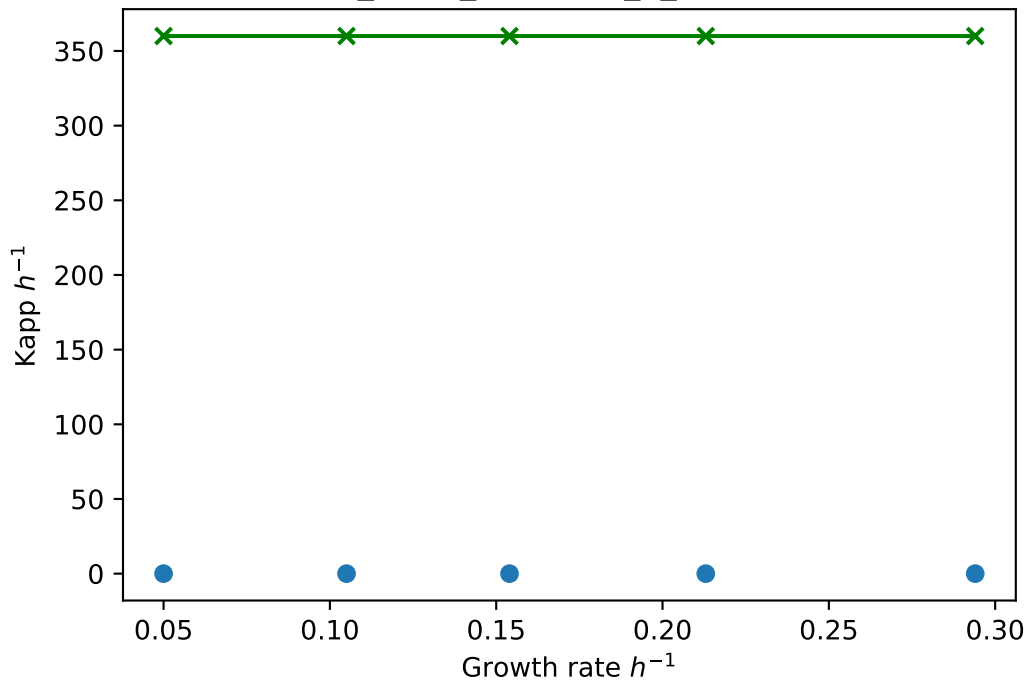
R_ORNTACim_enzyme



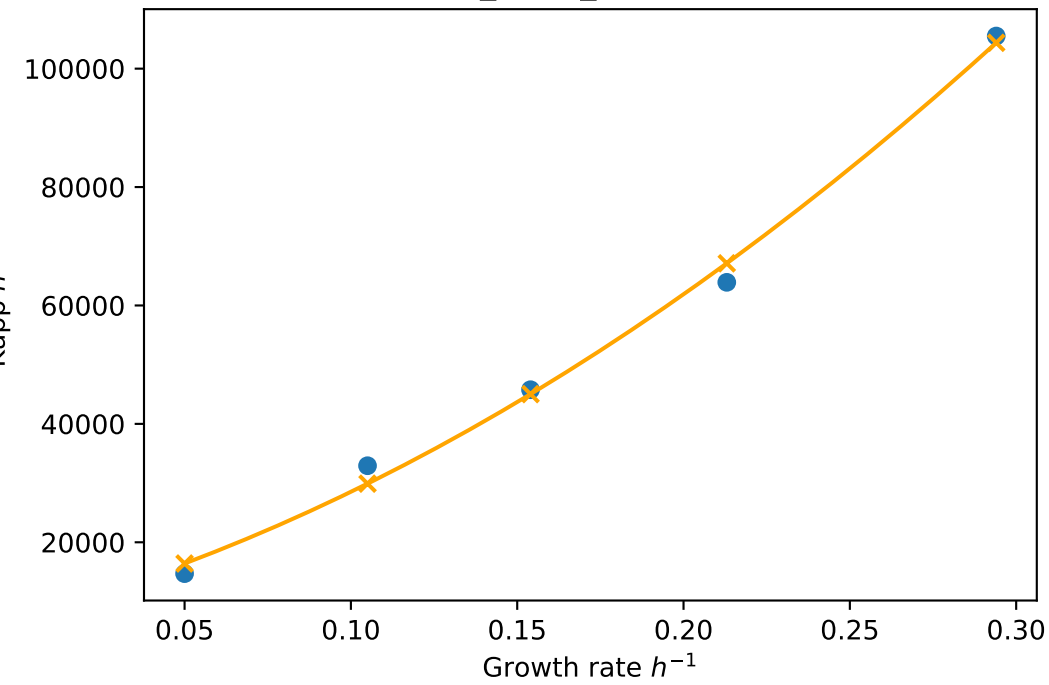
R_ORPT_enzyme



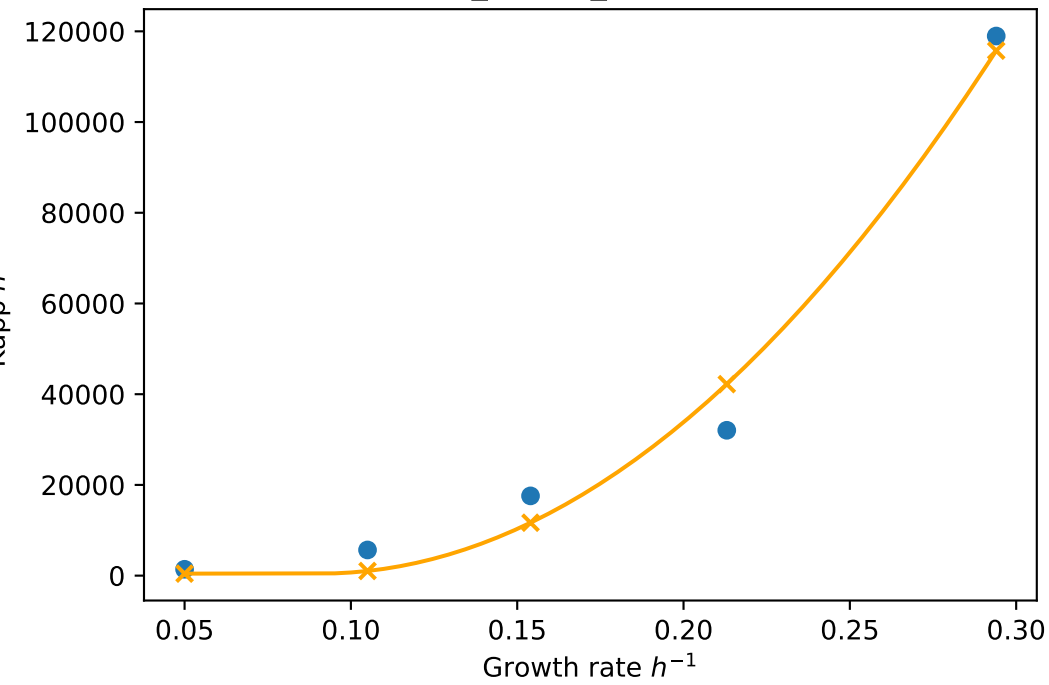
R_ORPT_duplicate_2_enzyme



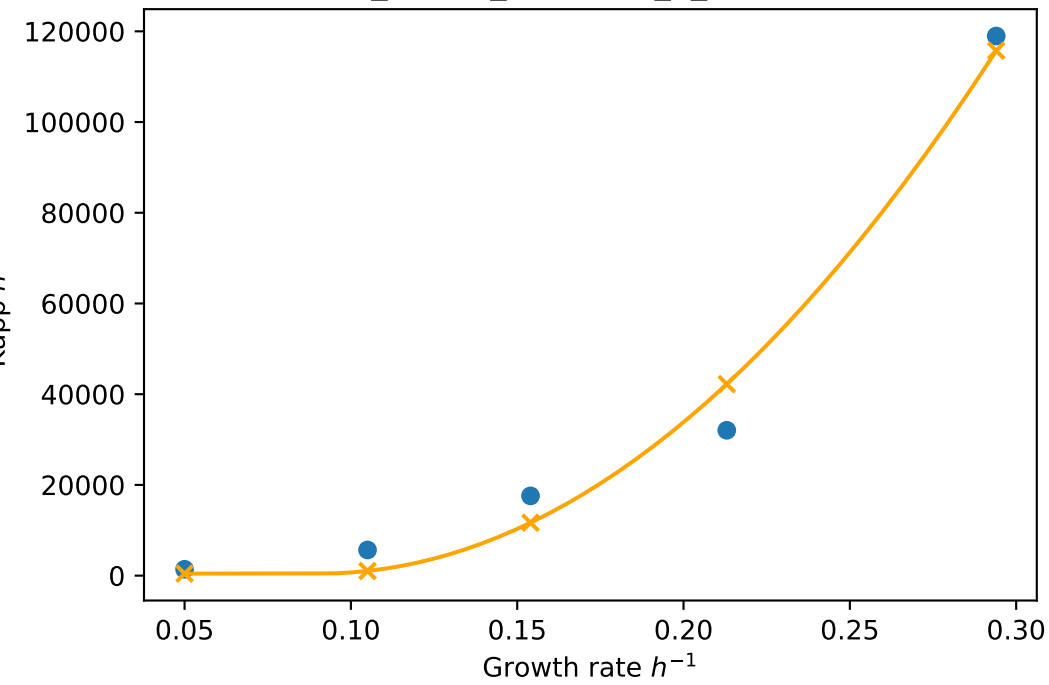
R_P5CR_enzyme

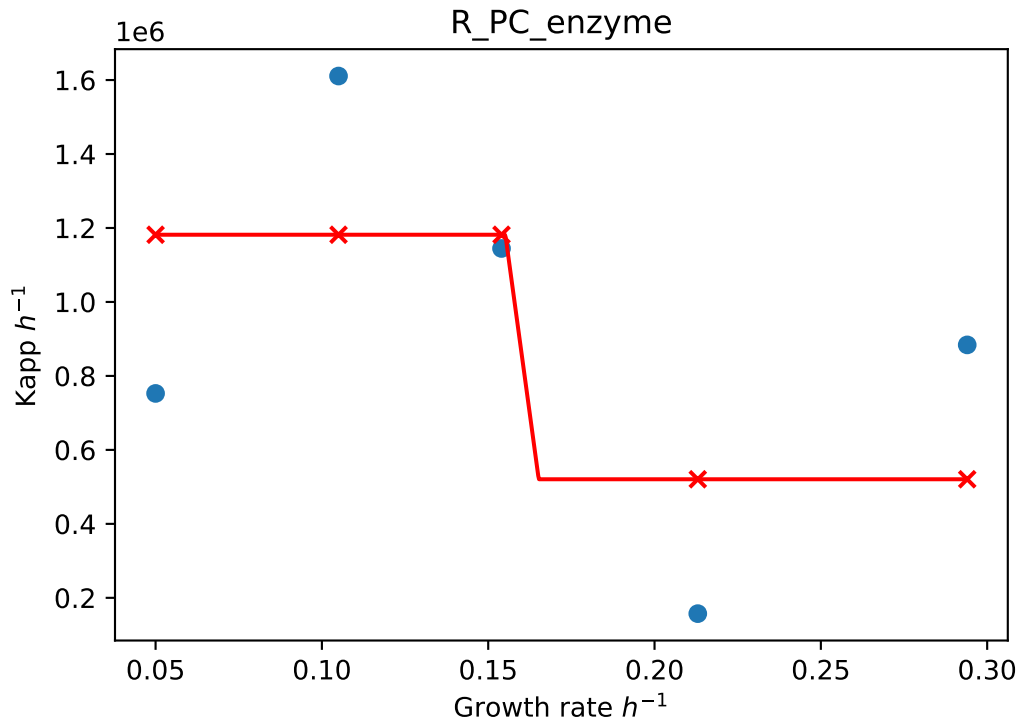


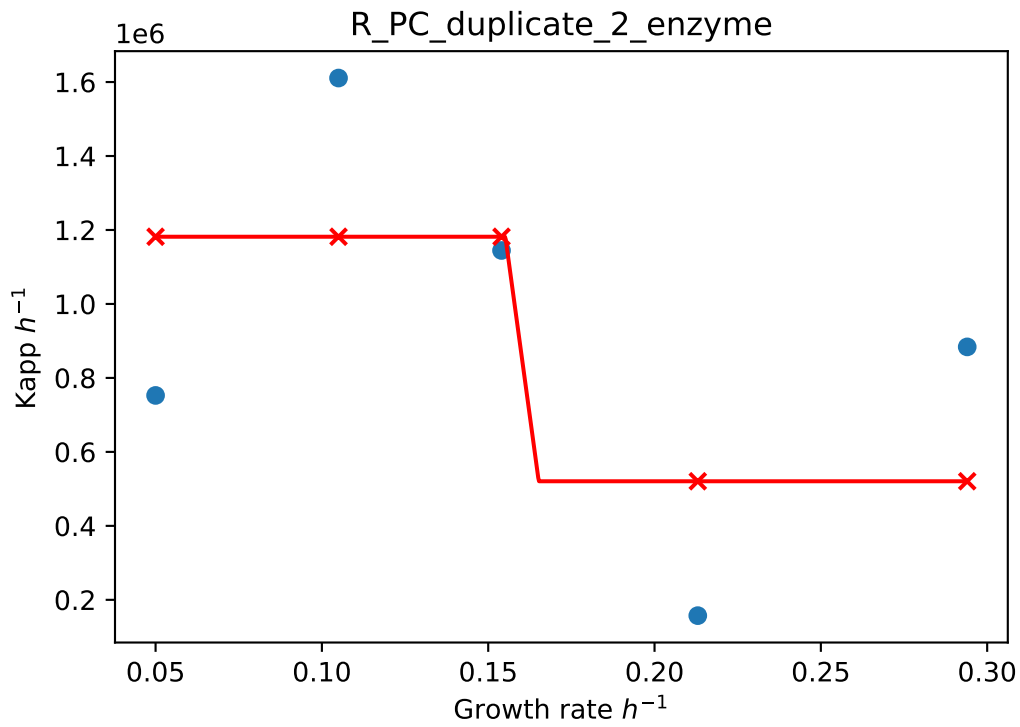
R_PAPSR_enzyme



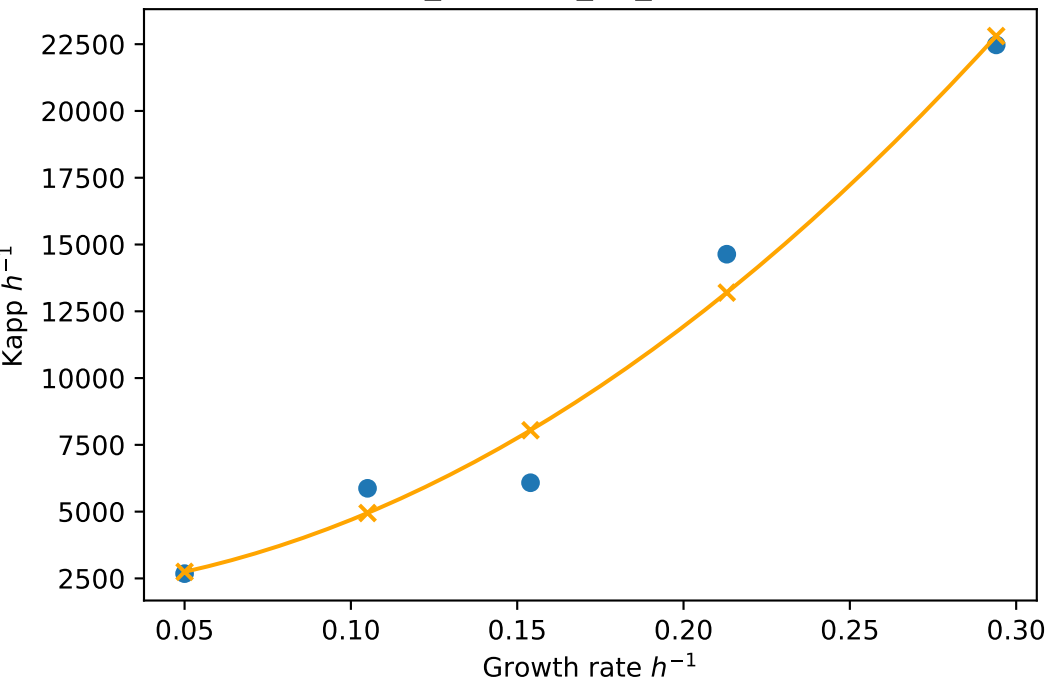
R_PAPSR_duplicate_2_enzyme



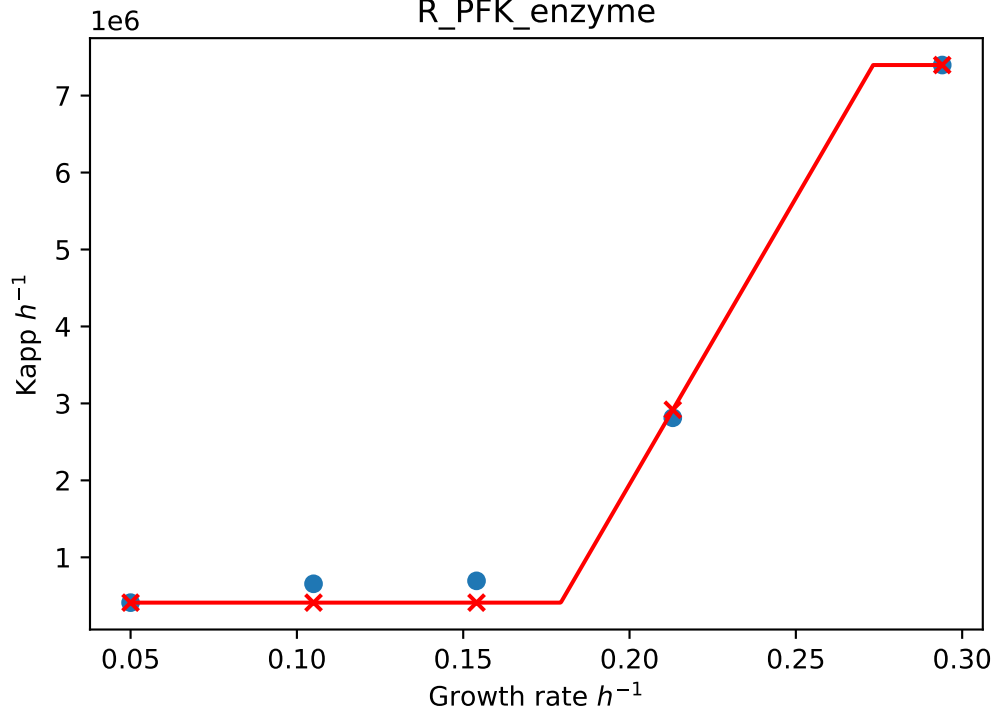


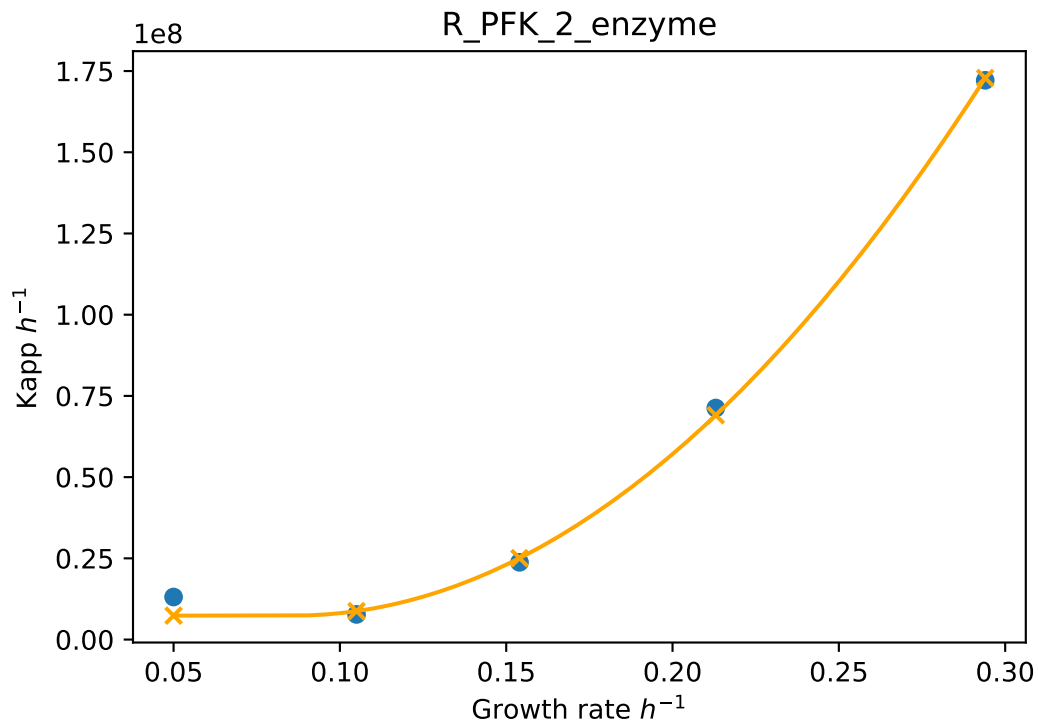


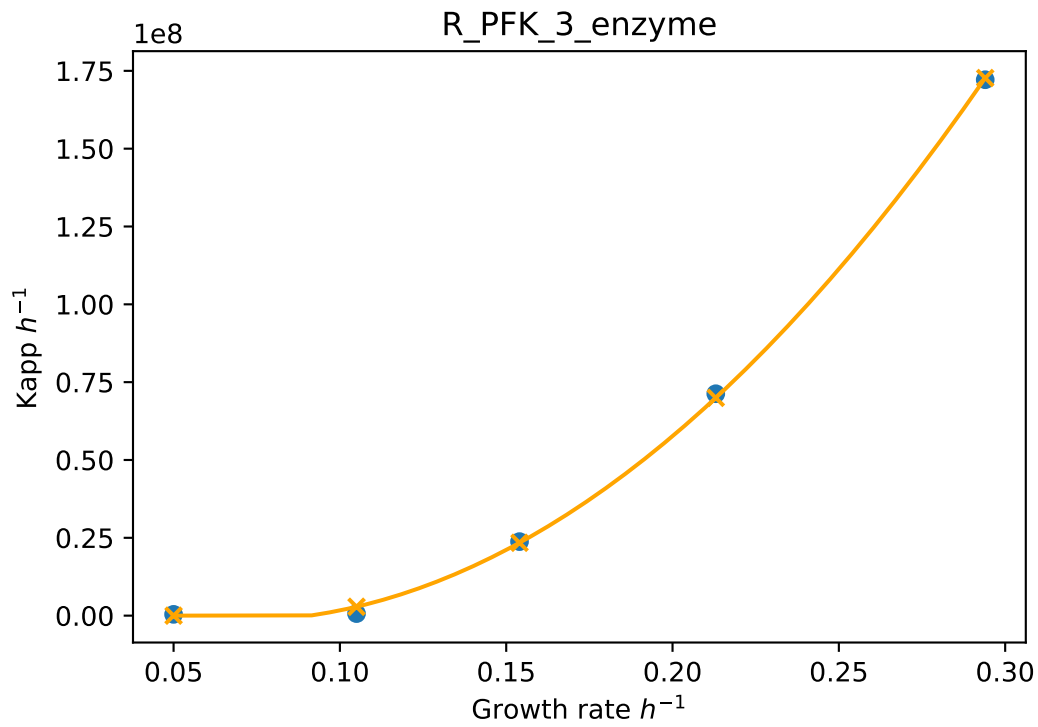
R_PETOHM_SC_enzyme



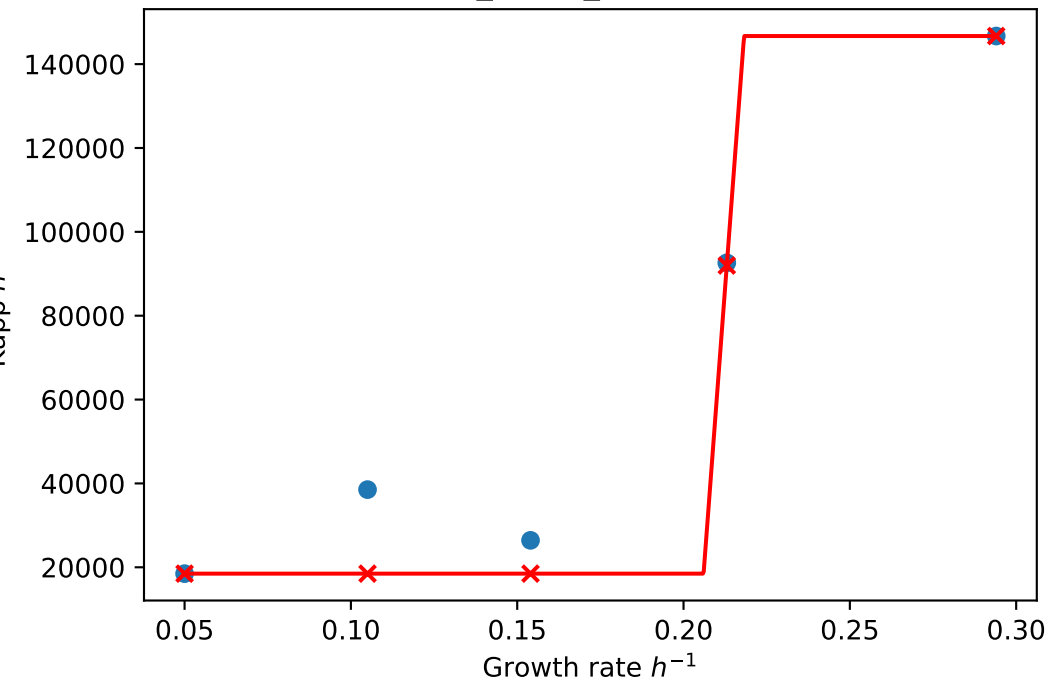
R_PFK_enzyme



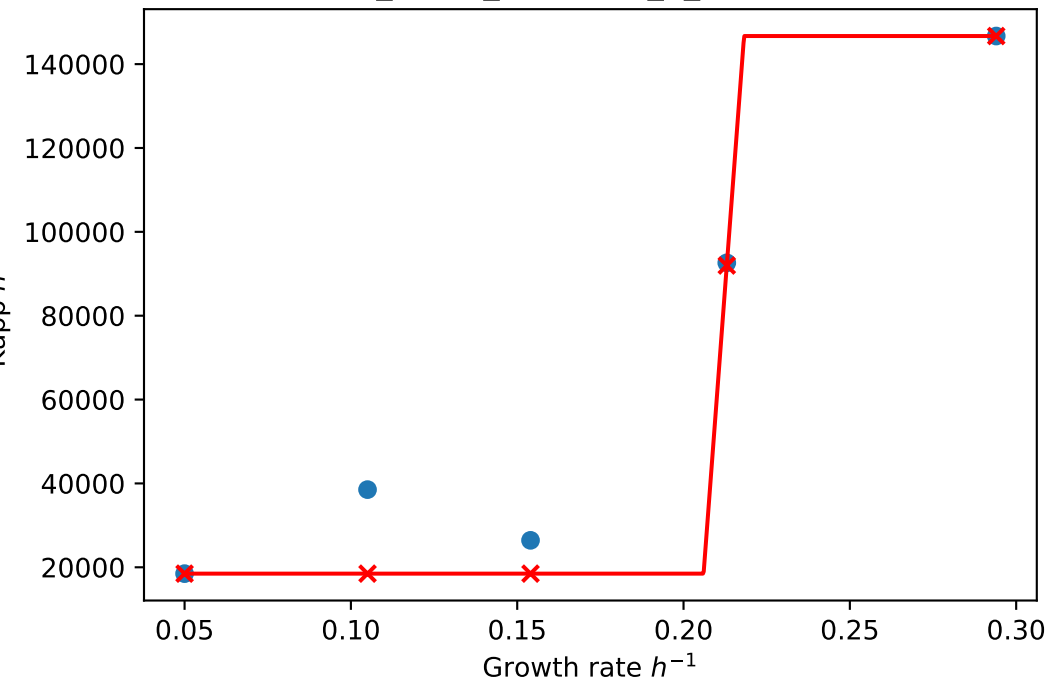


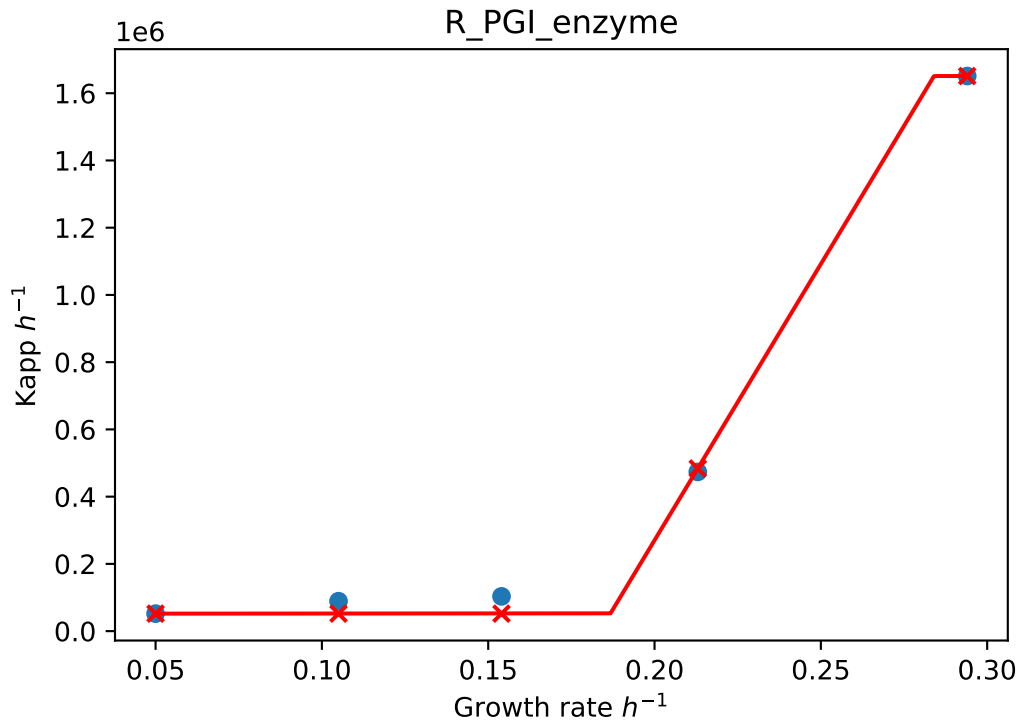


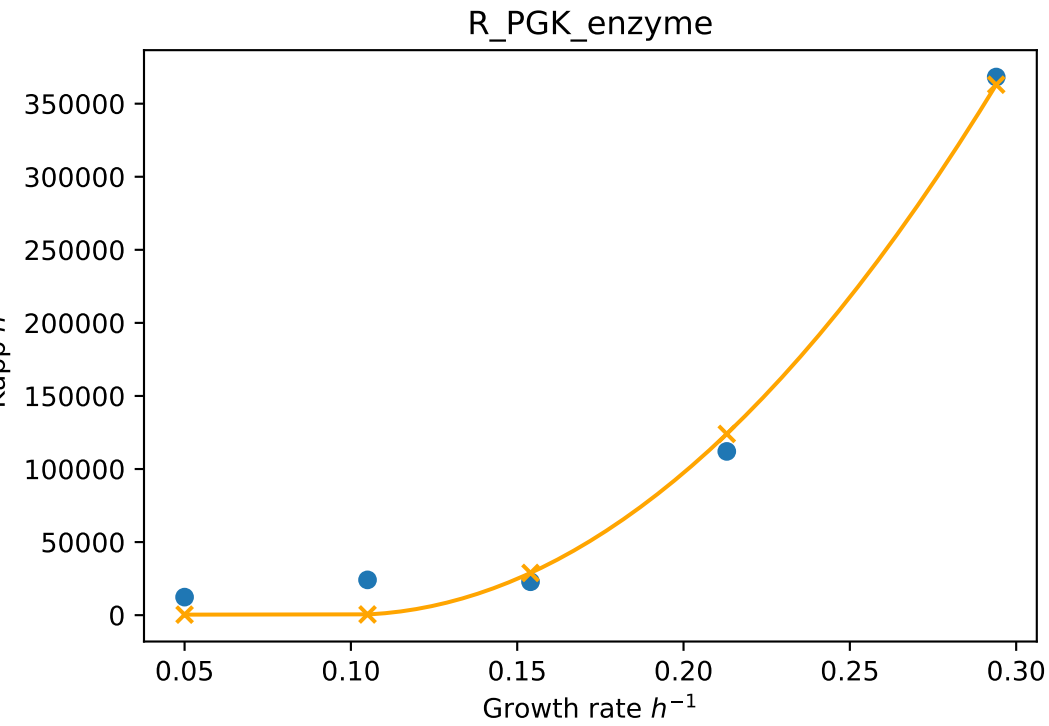
R_PGCD_enzyme

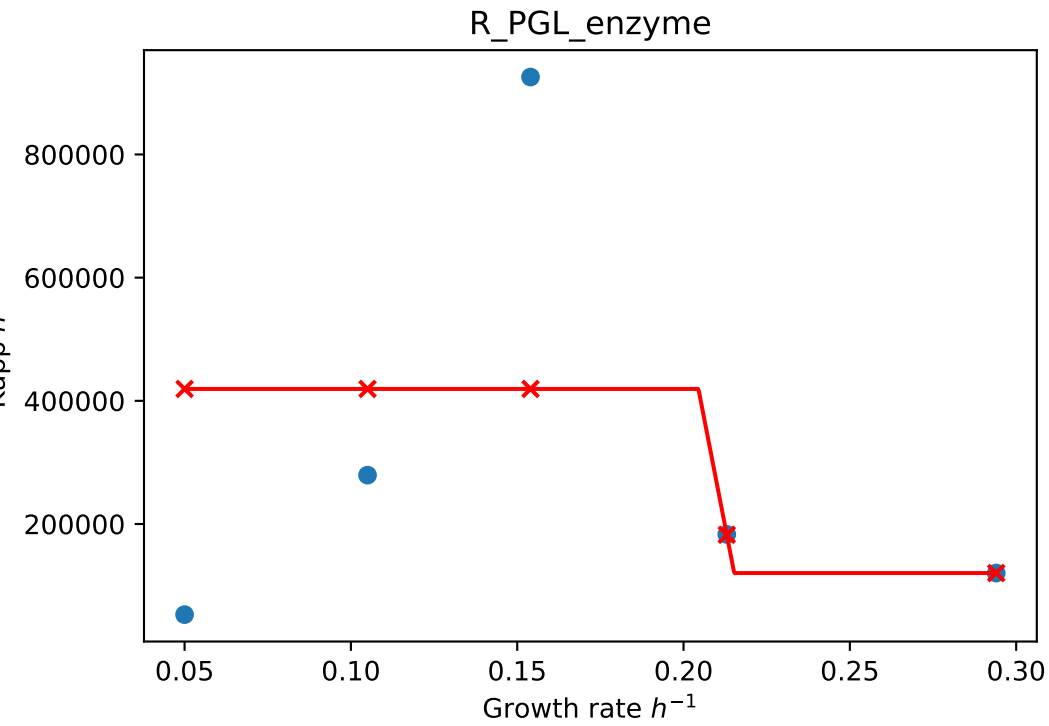


R_PGCD_duplicate_2_enzyme

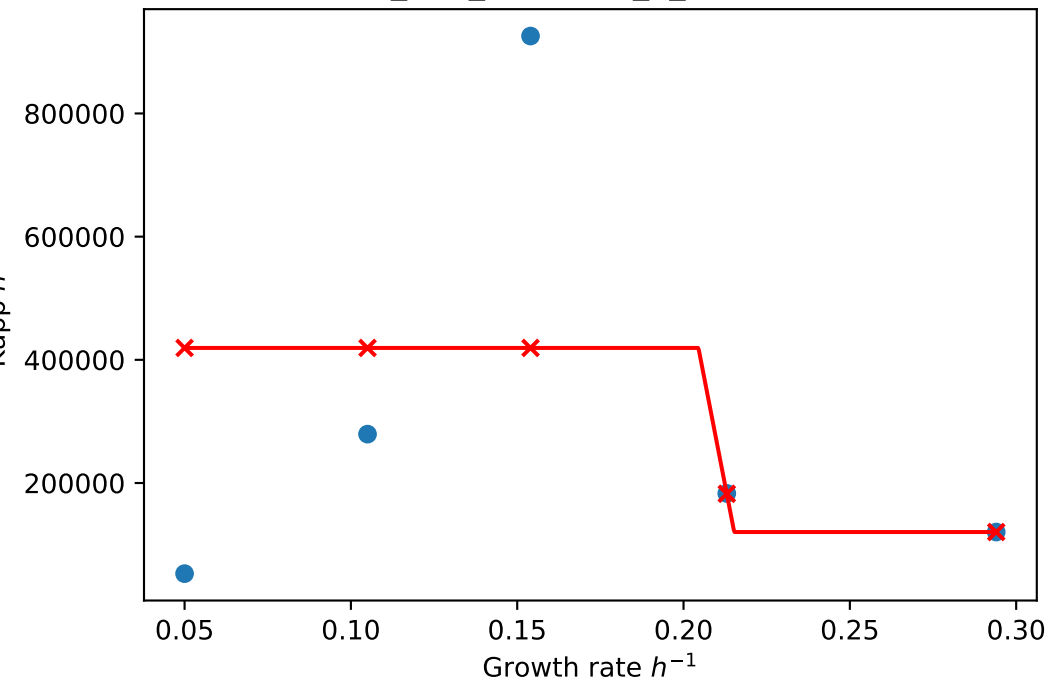




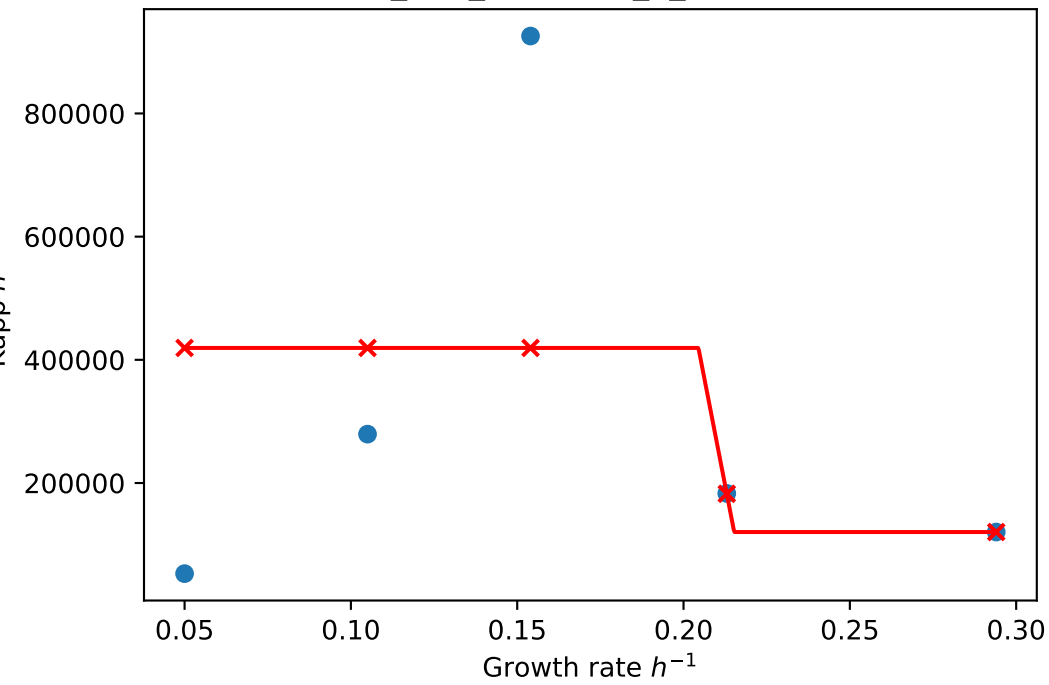




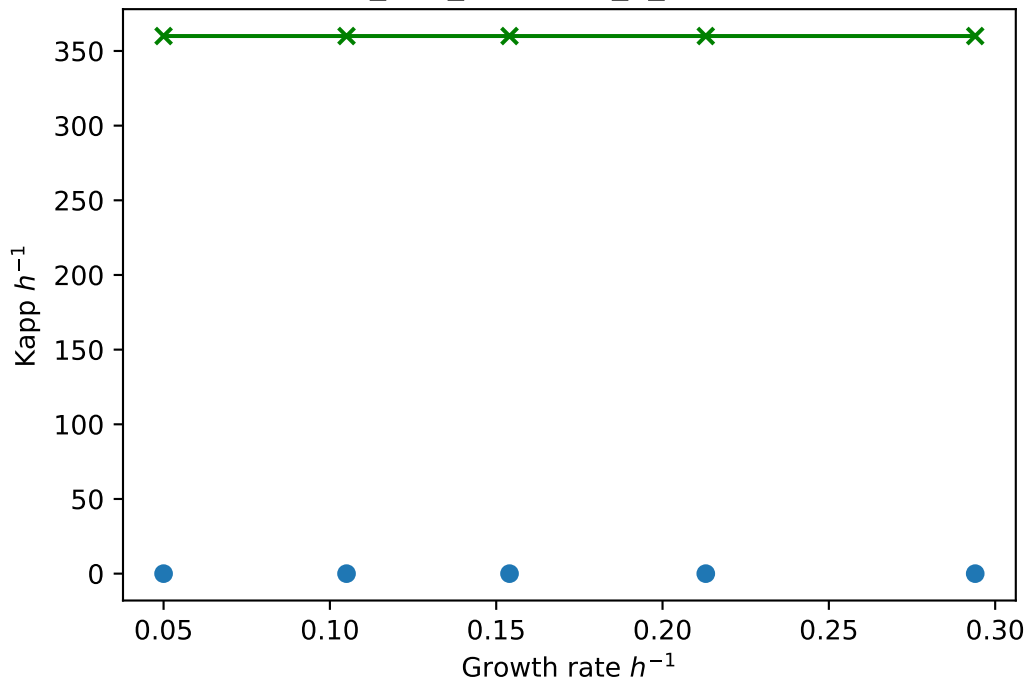
R_PGL_duplicate_2_enzyme



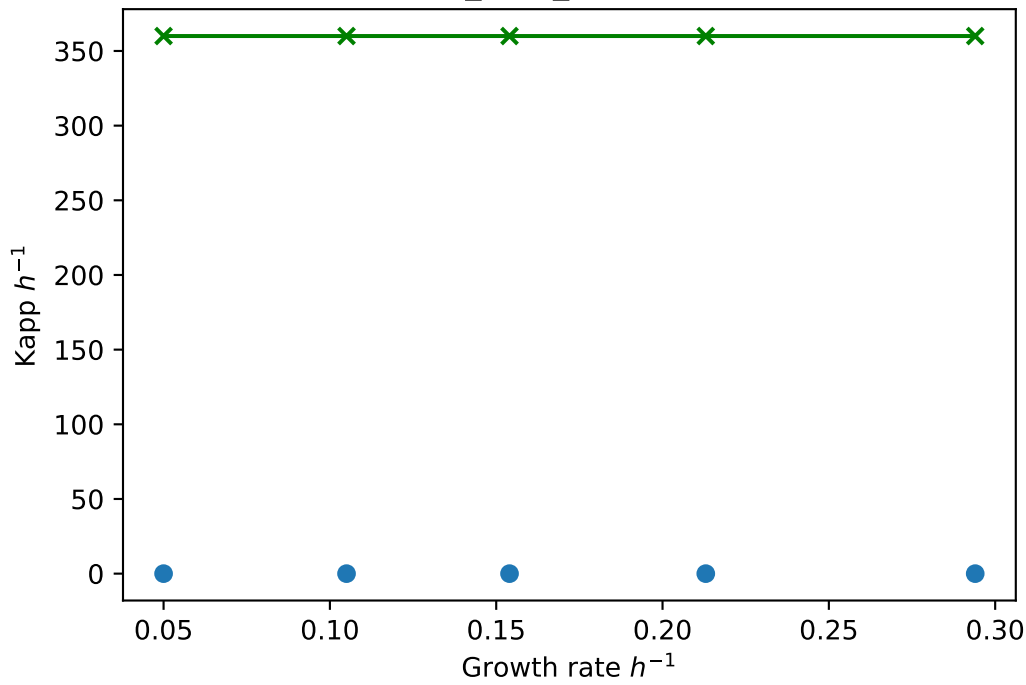
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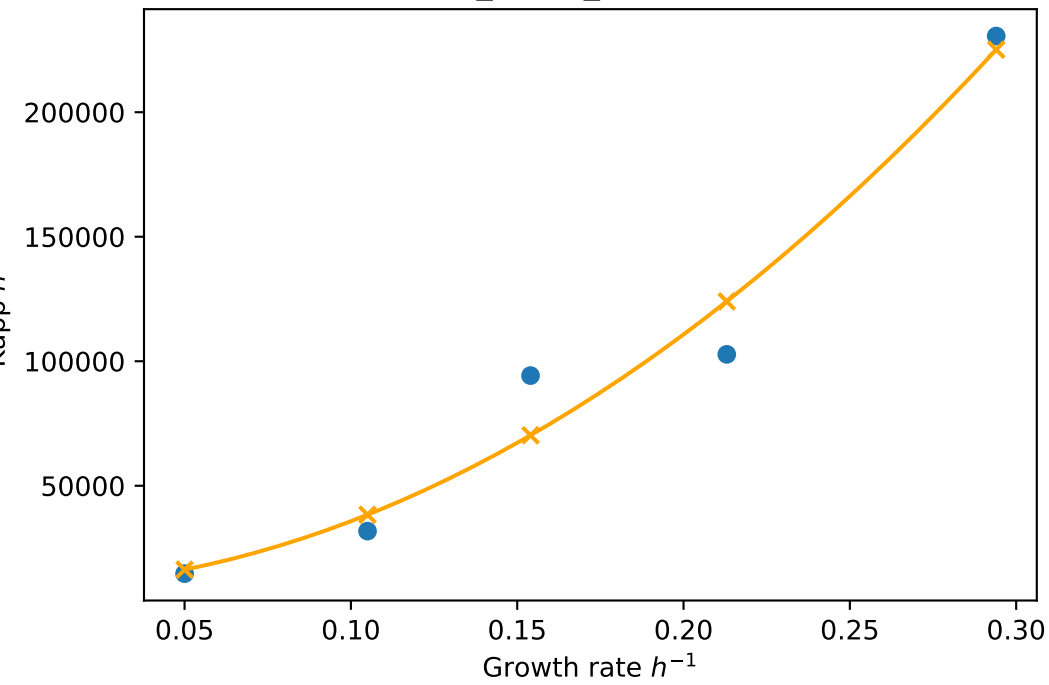
R_PGL_duplicate_4_enzyme



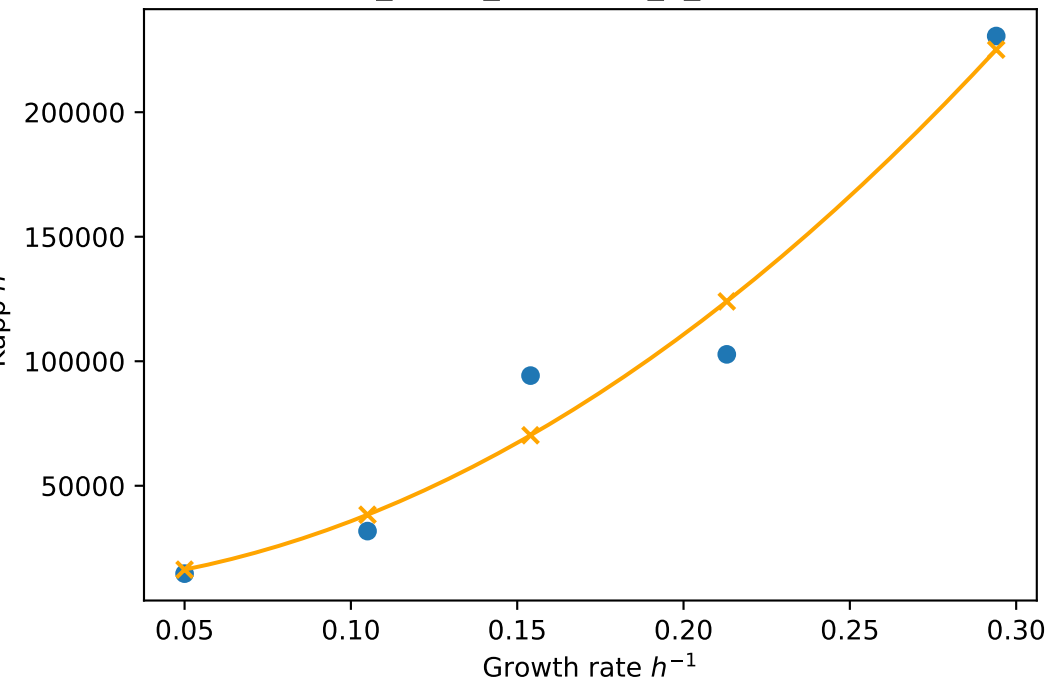
R_PGM_enzyme

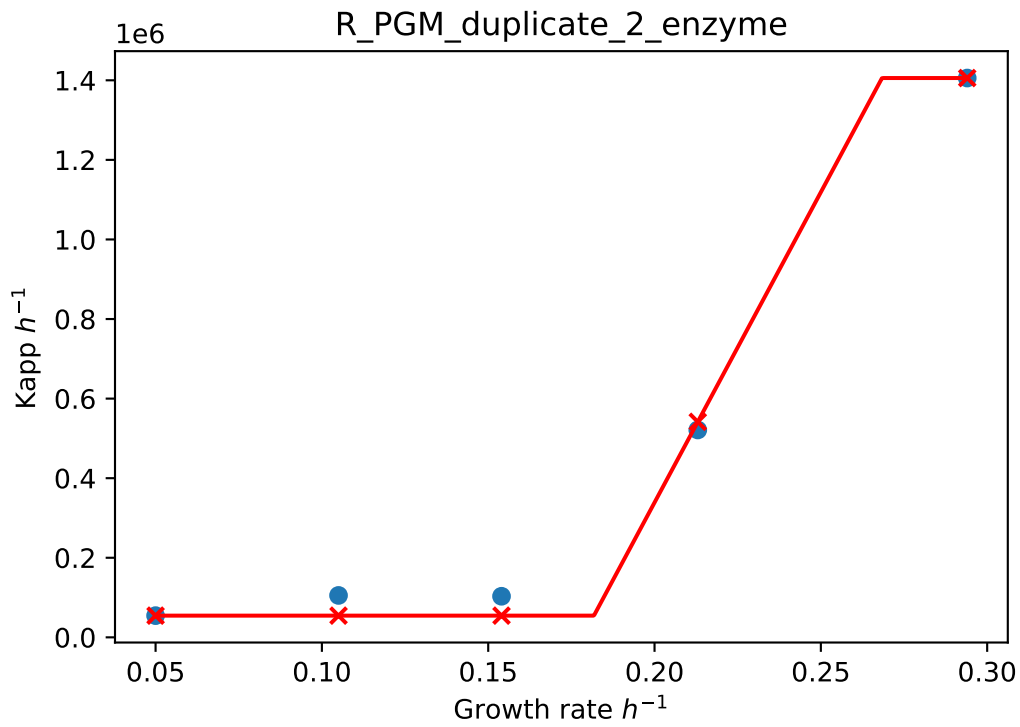


R_PGMT_enzyme

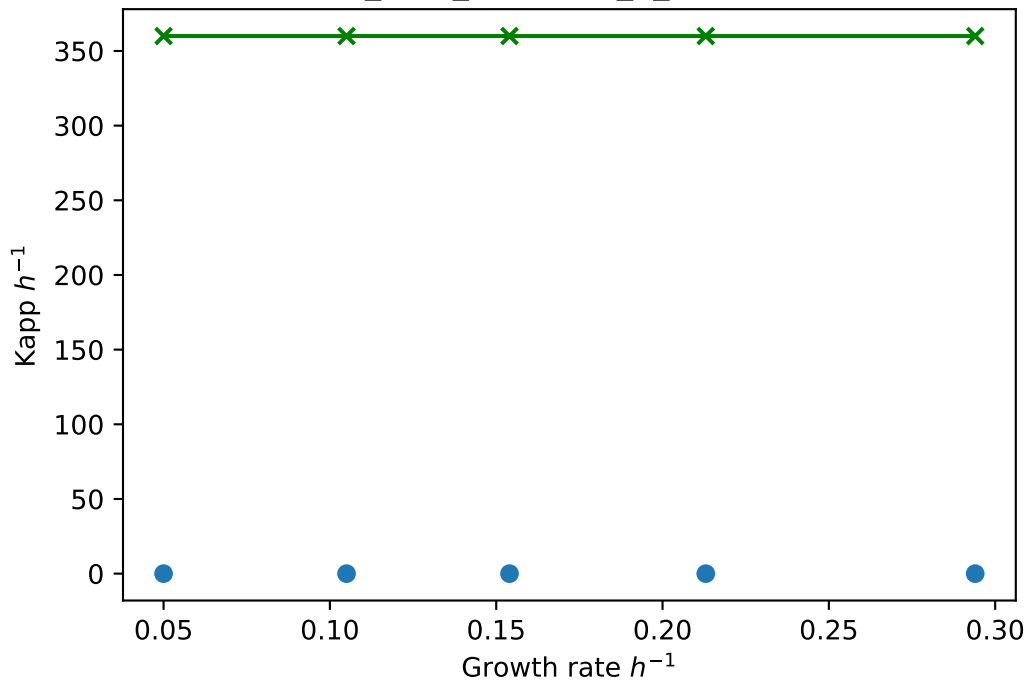


R_PGMT_duplicate_2_enzyme

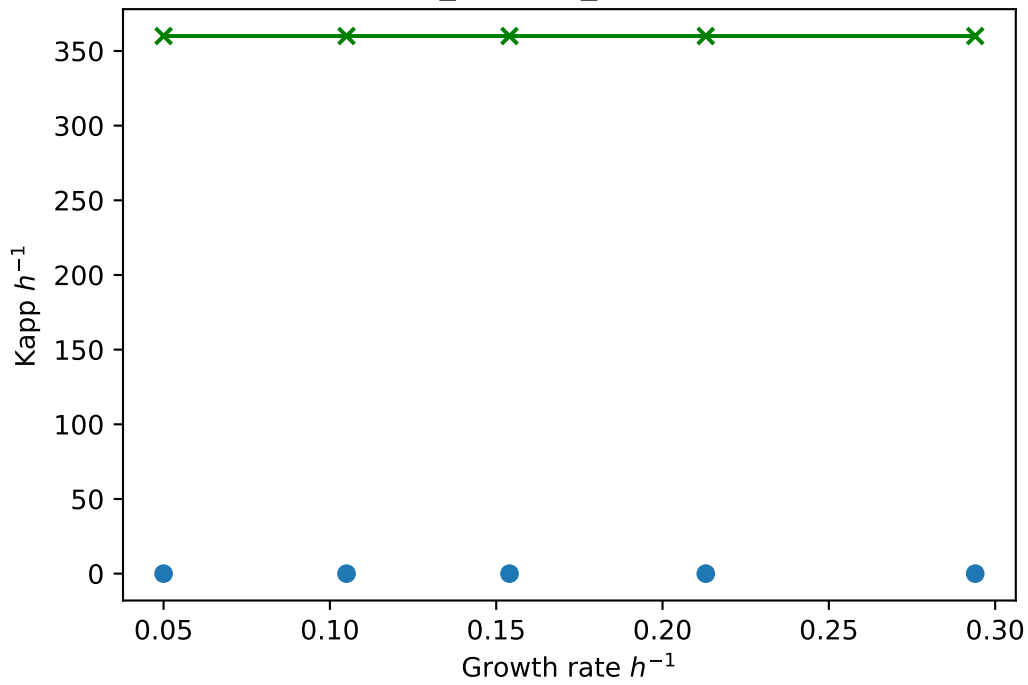




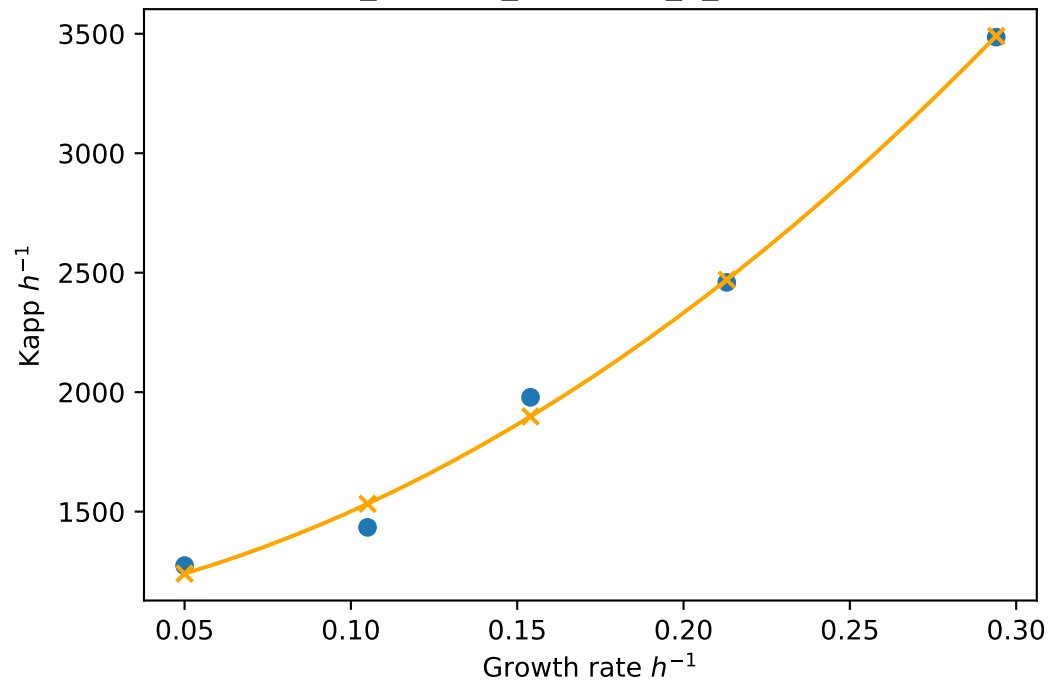
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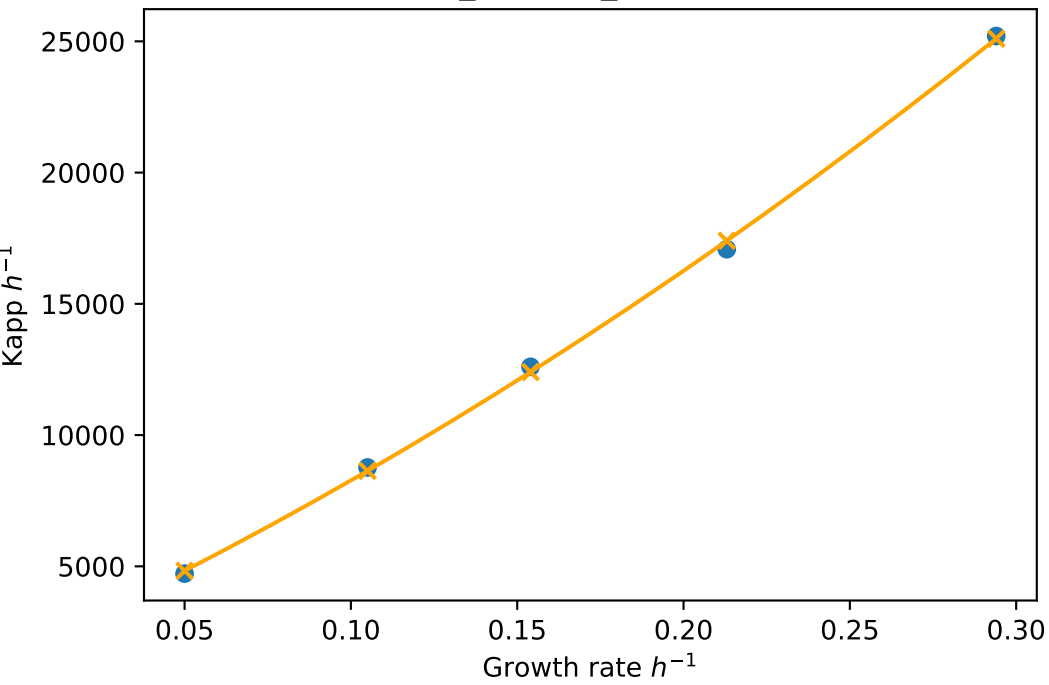
R_PHETA1_enzyme



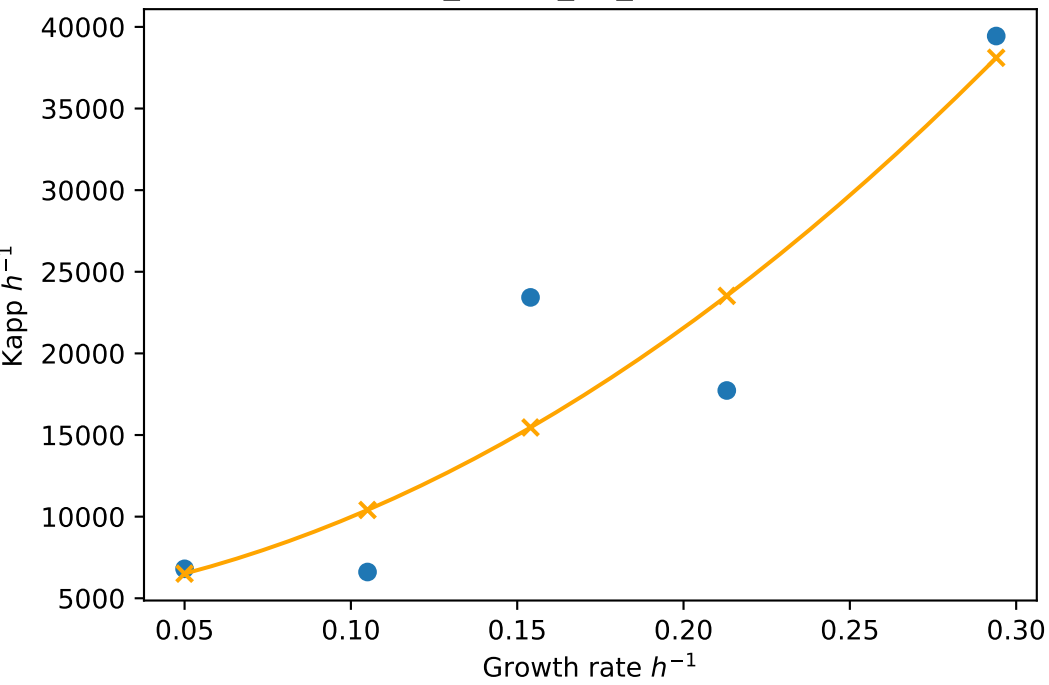
R_PHETA1_duplicate_2_enzyme



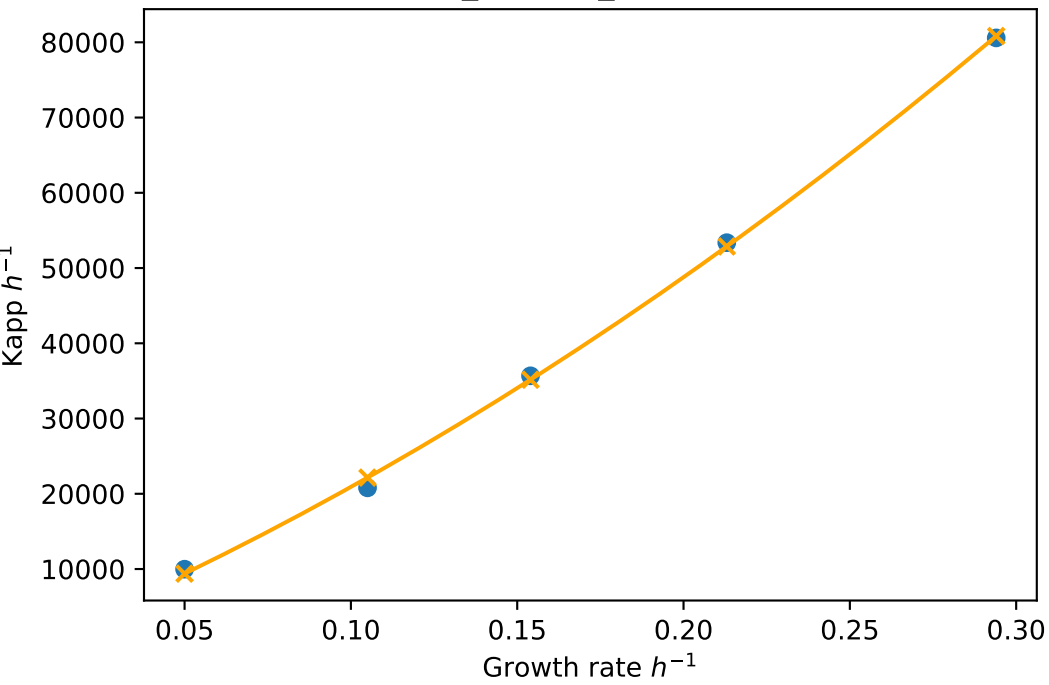
R_PHETRS_enzyme



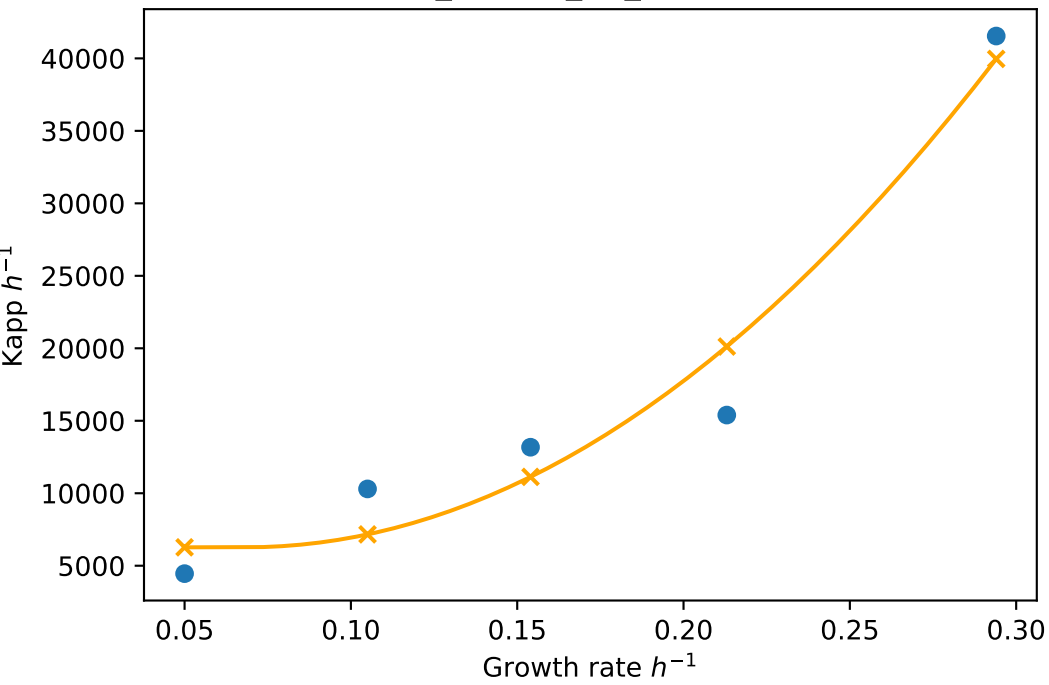
R_PINOS_SC_enzyme



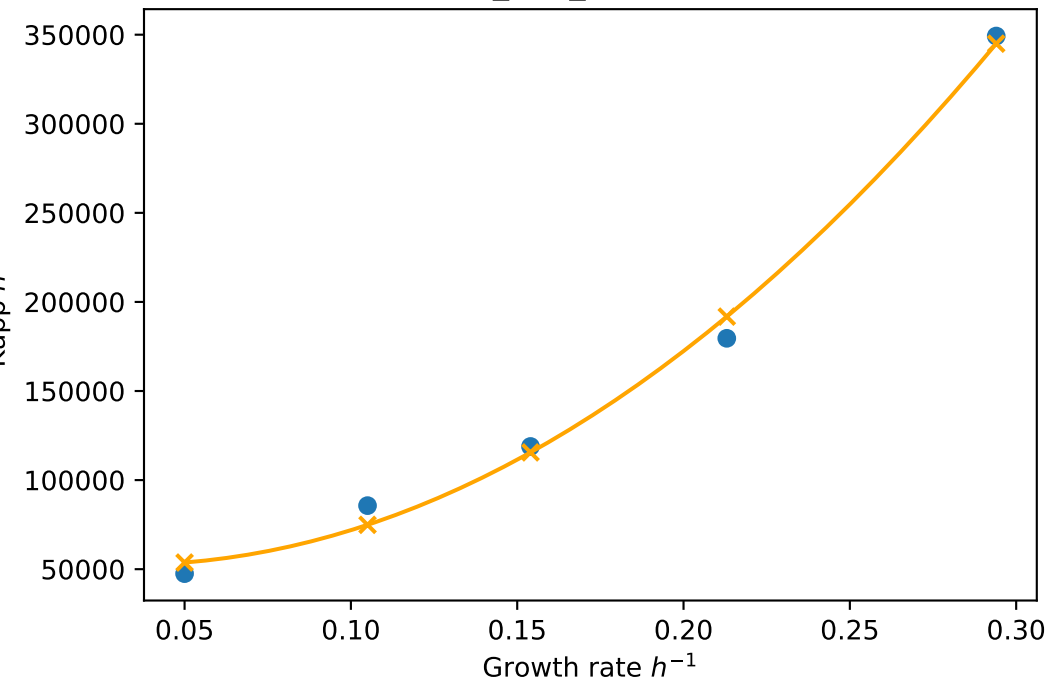
R_PMANM_enzyme



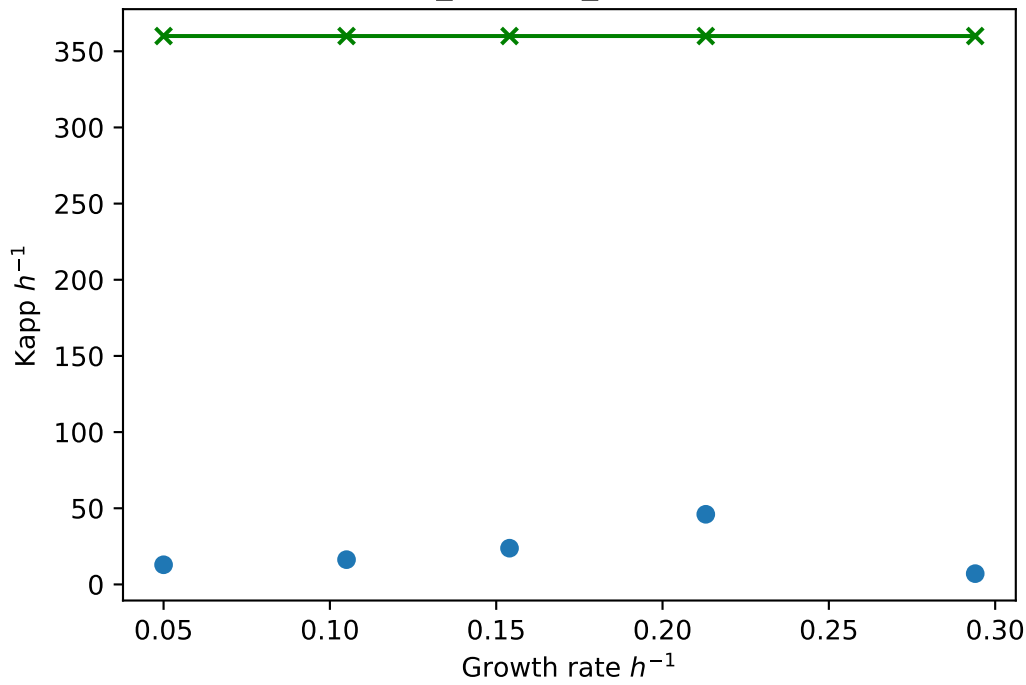
R_PMETM_SC_enzyme

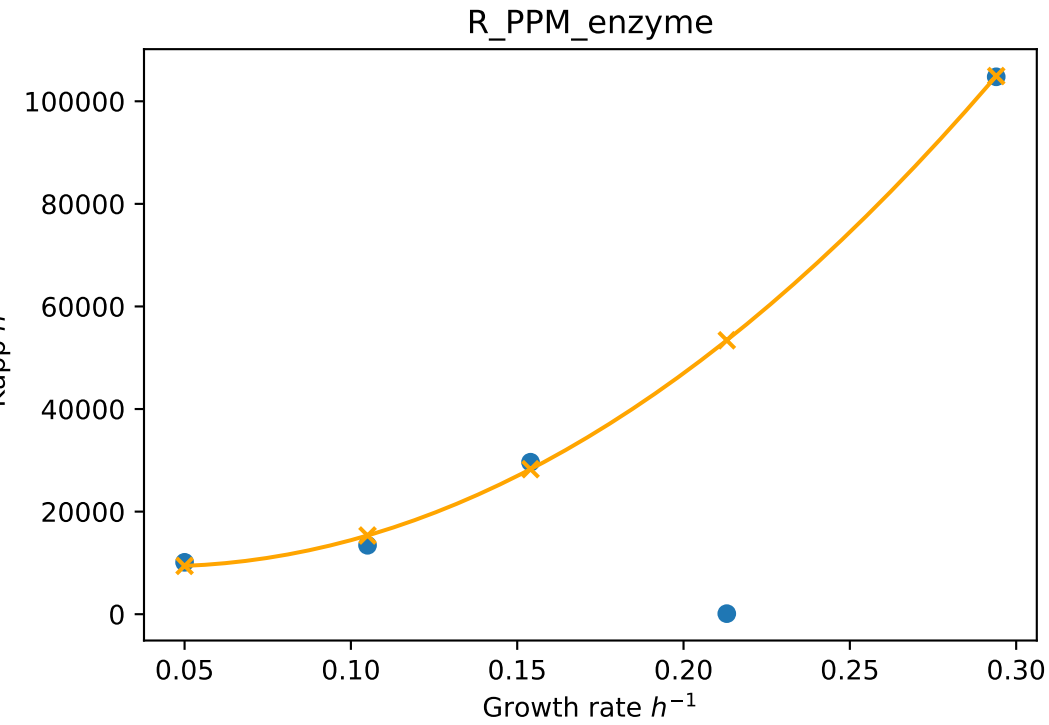


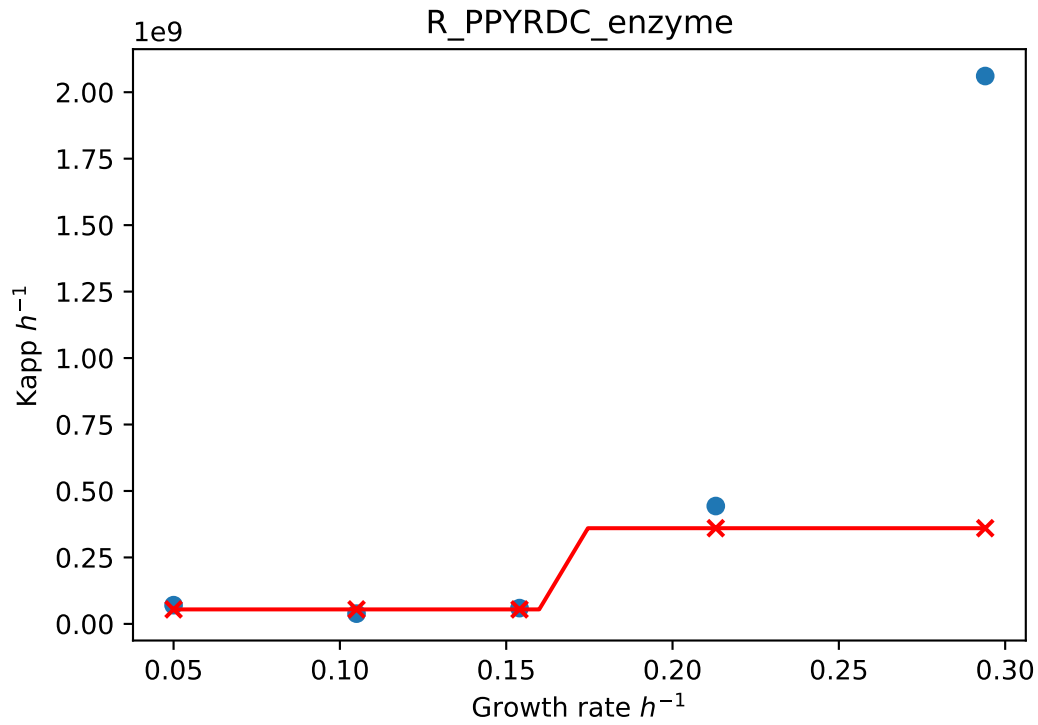
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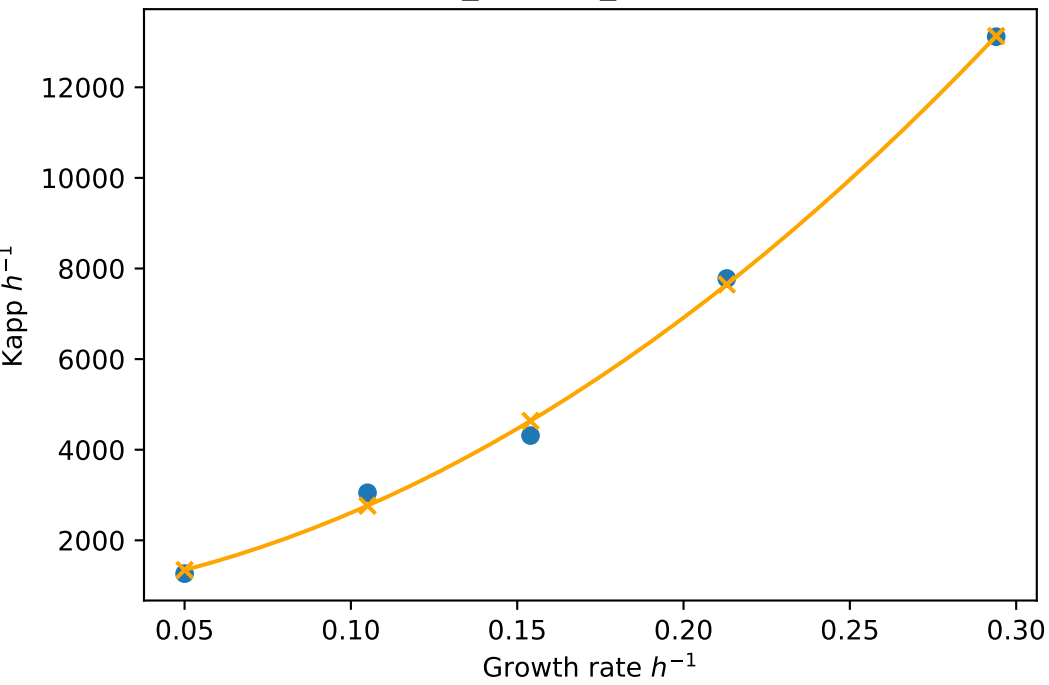
R_PPBNGS_enzyme



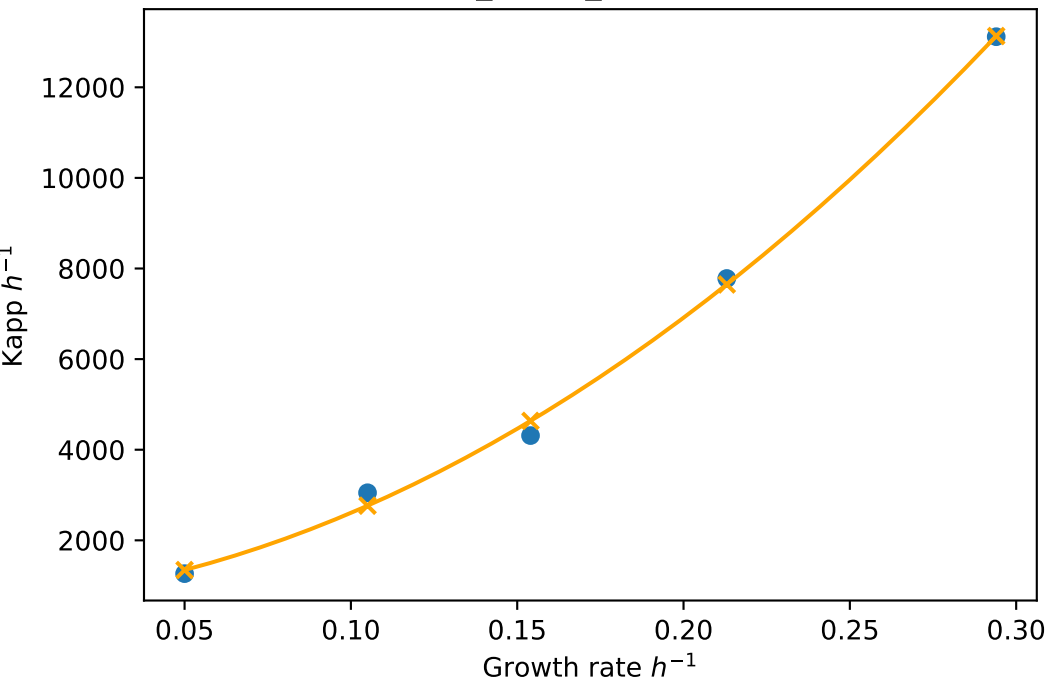




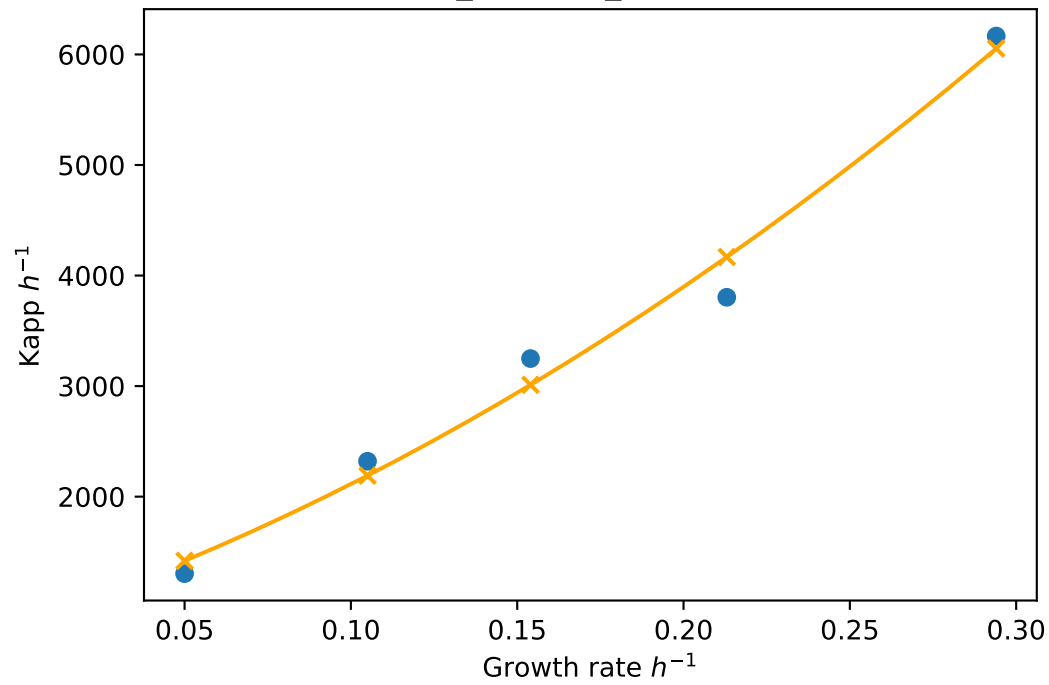
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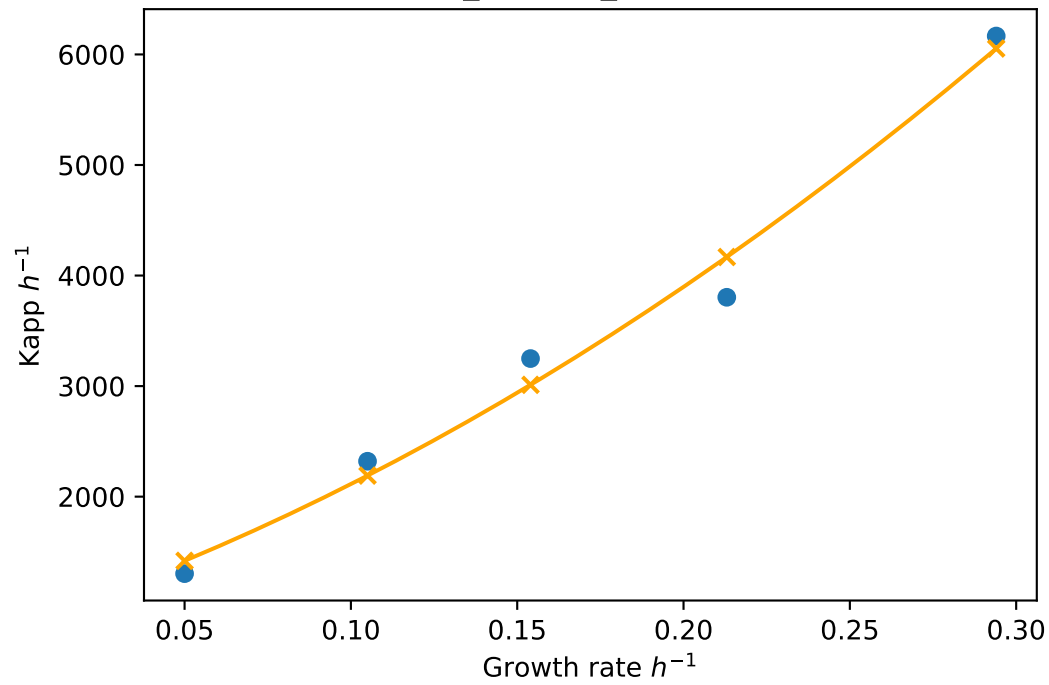
R_PRAIS_enzyme



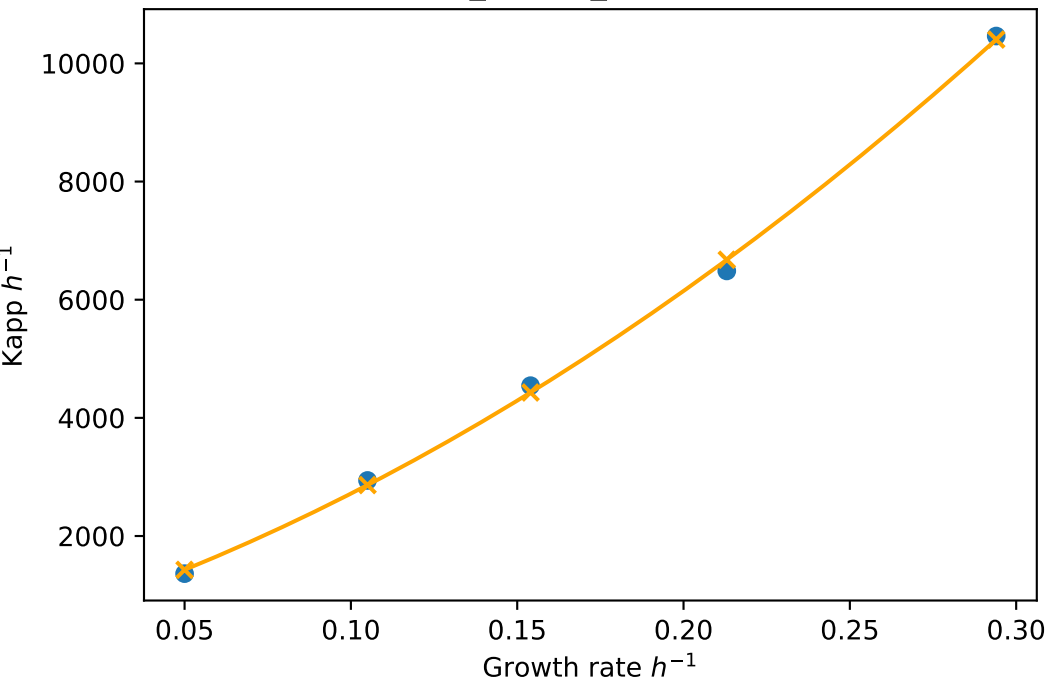
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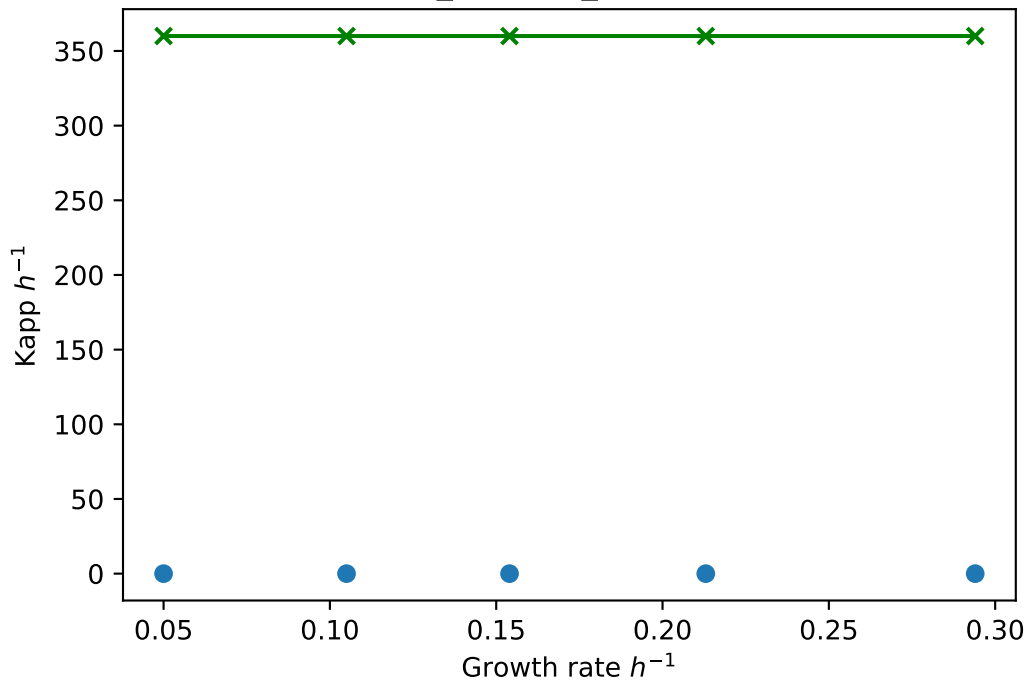
R_PRATPP_enzyme



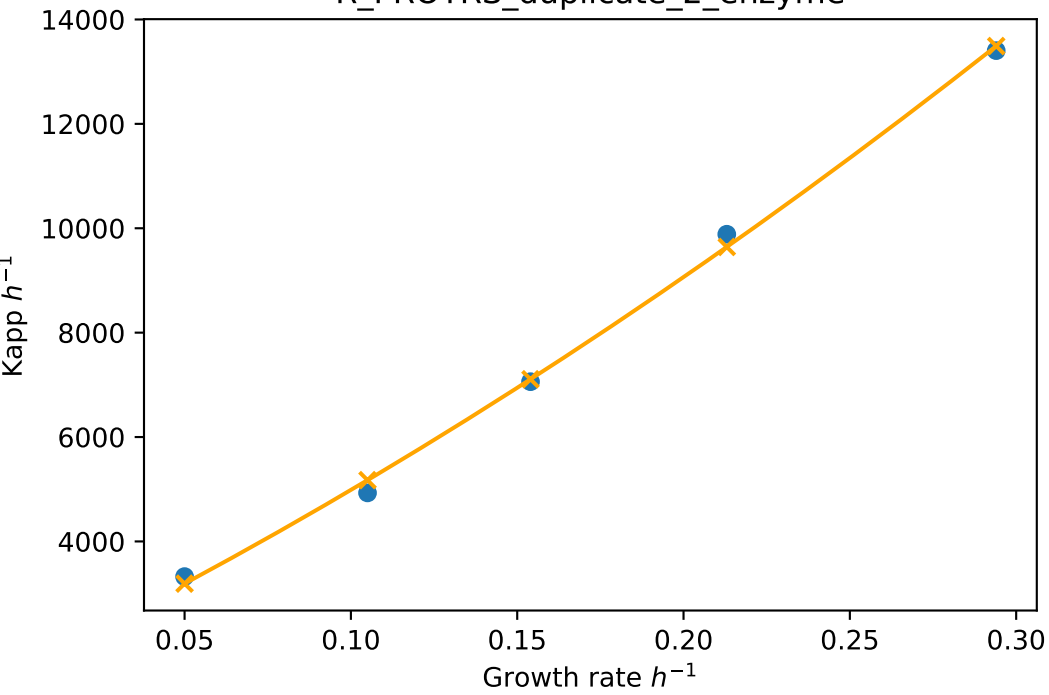
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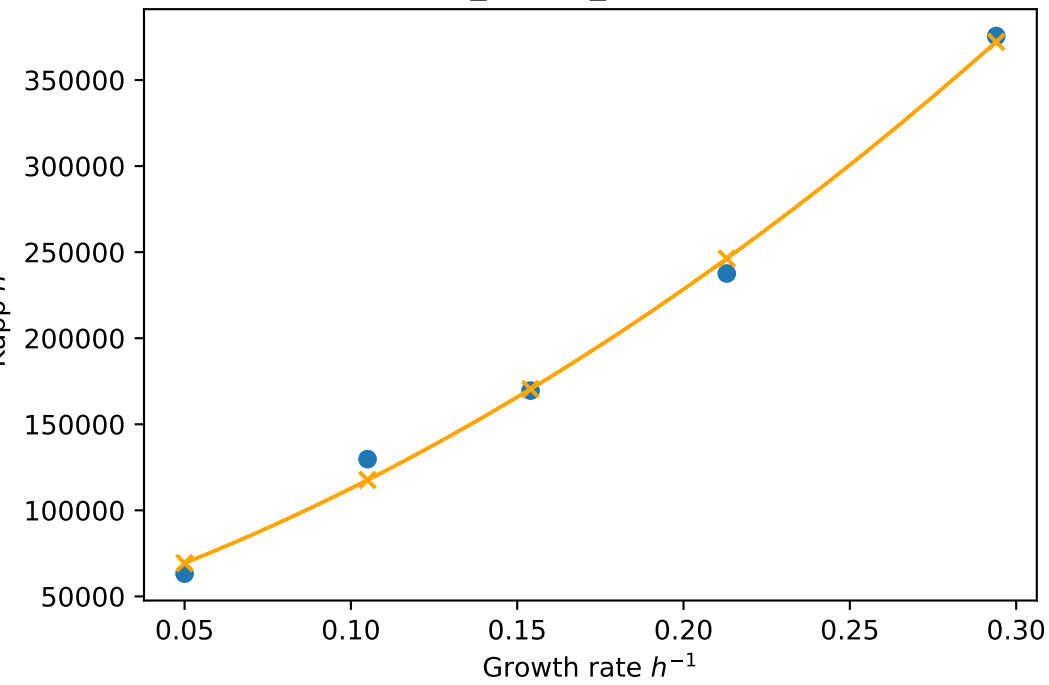
R_PROTRS_enzyme



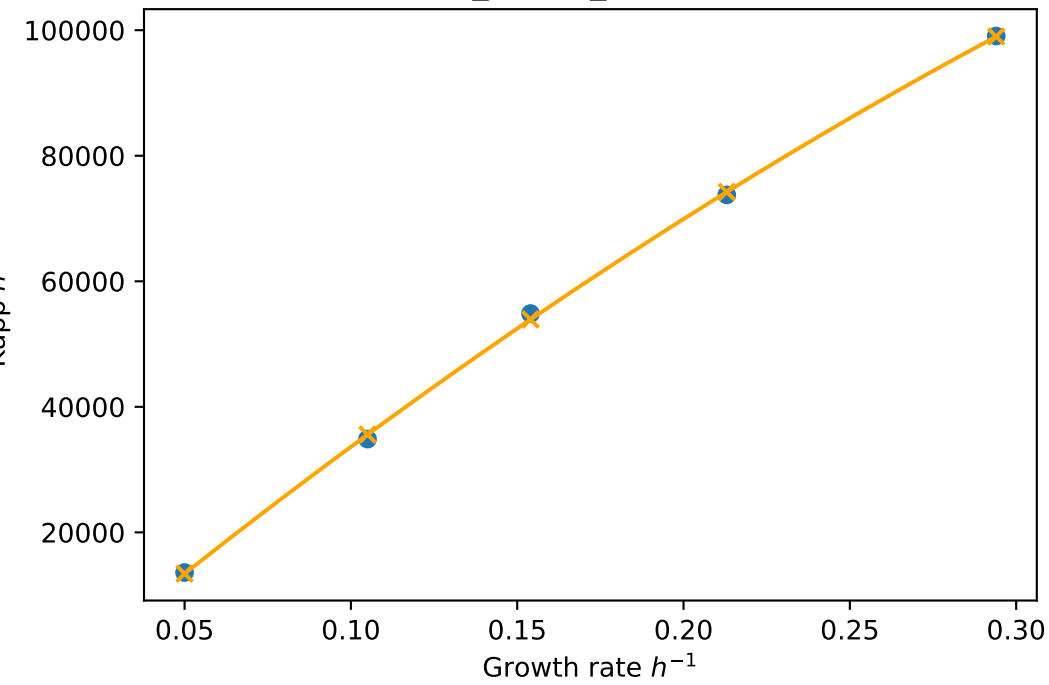
R_PROTRS_duplicate_2_enzyme

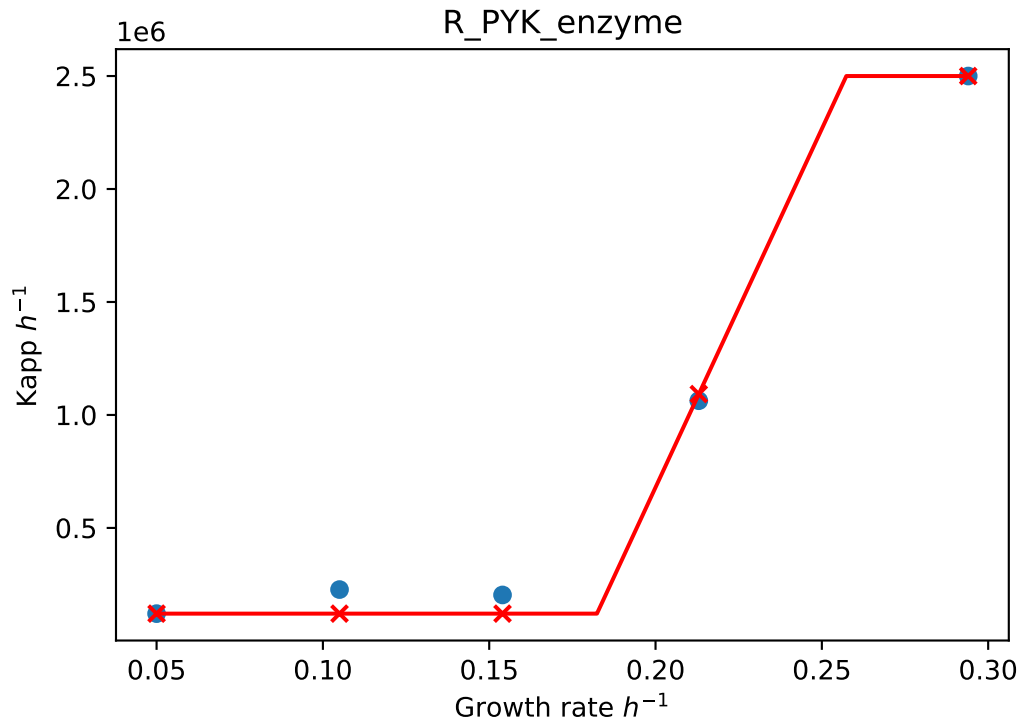


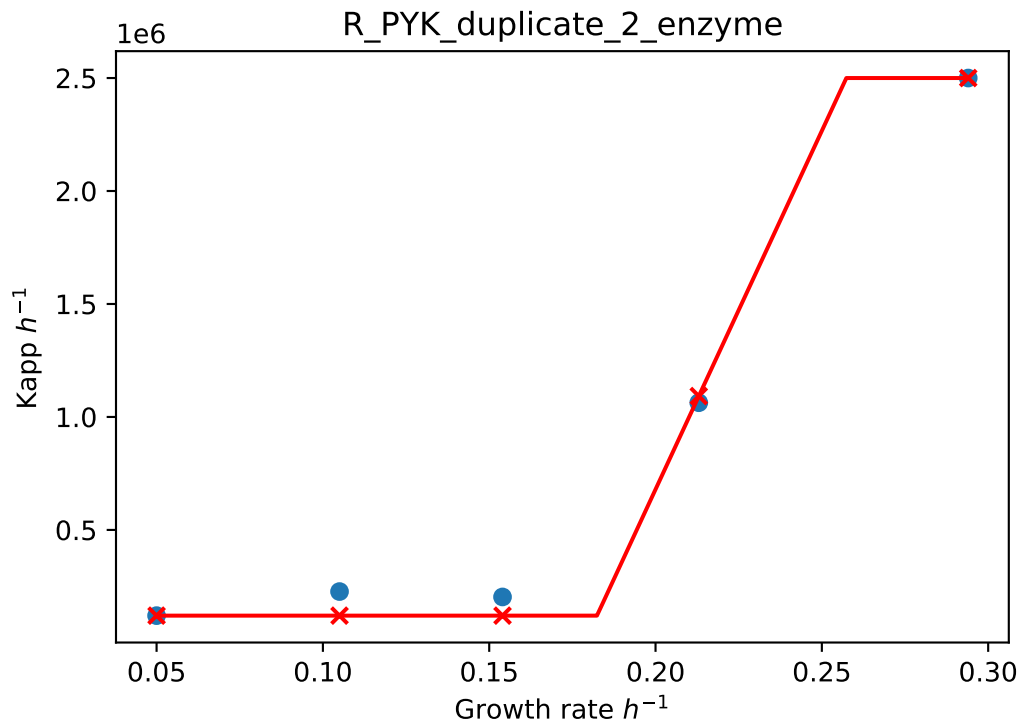
R_PSCVT_enzyme



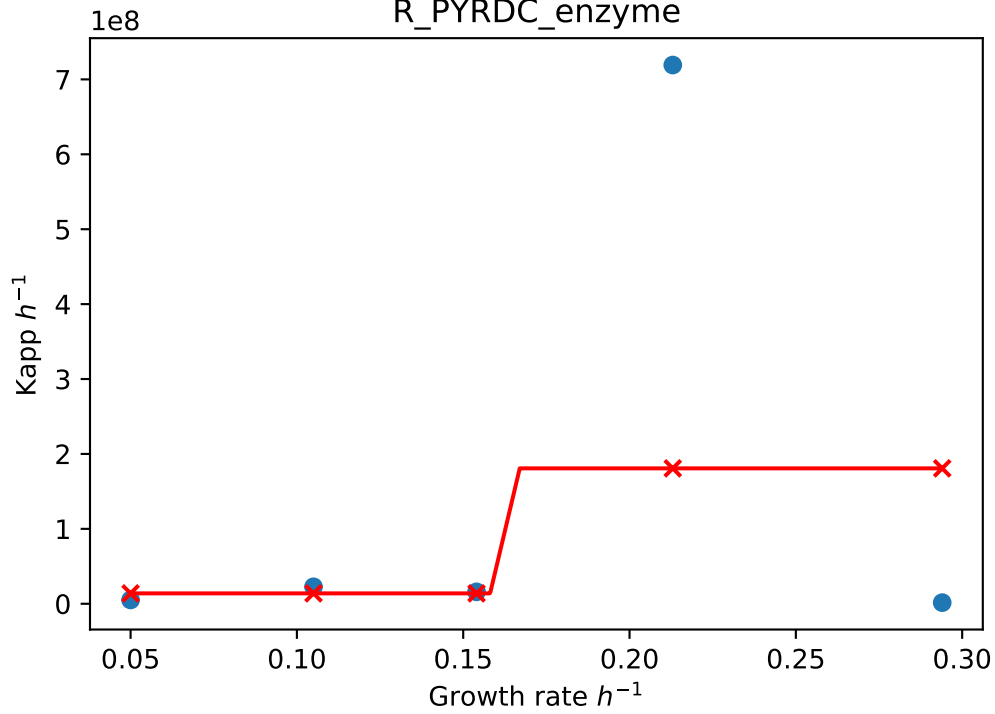
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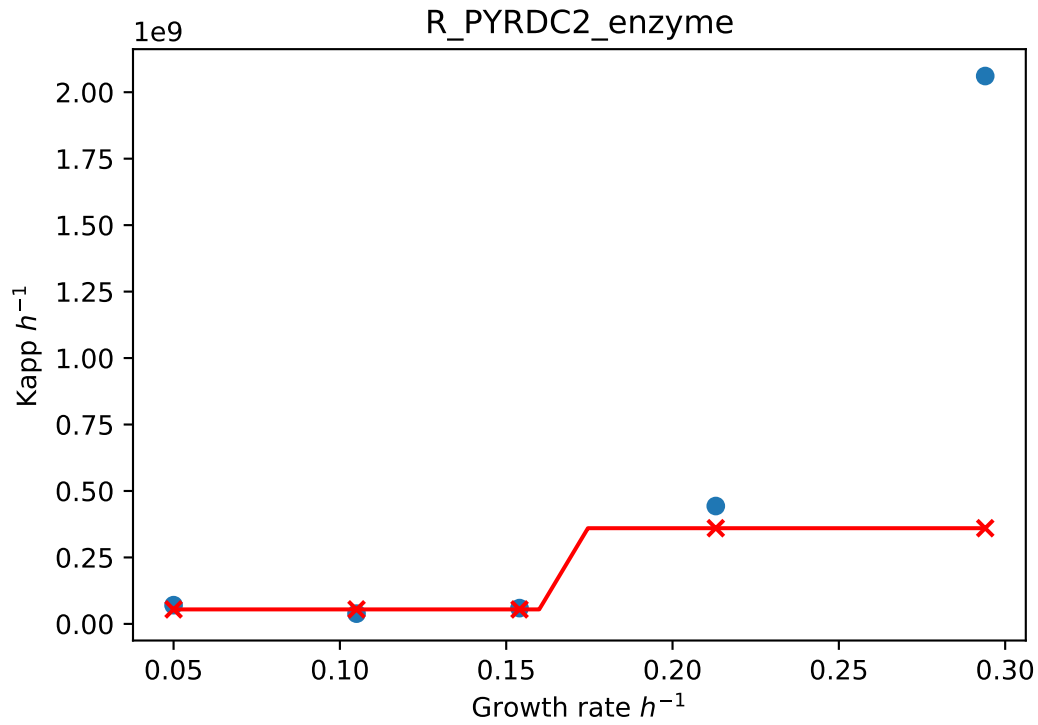




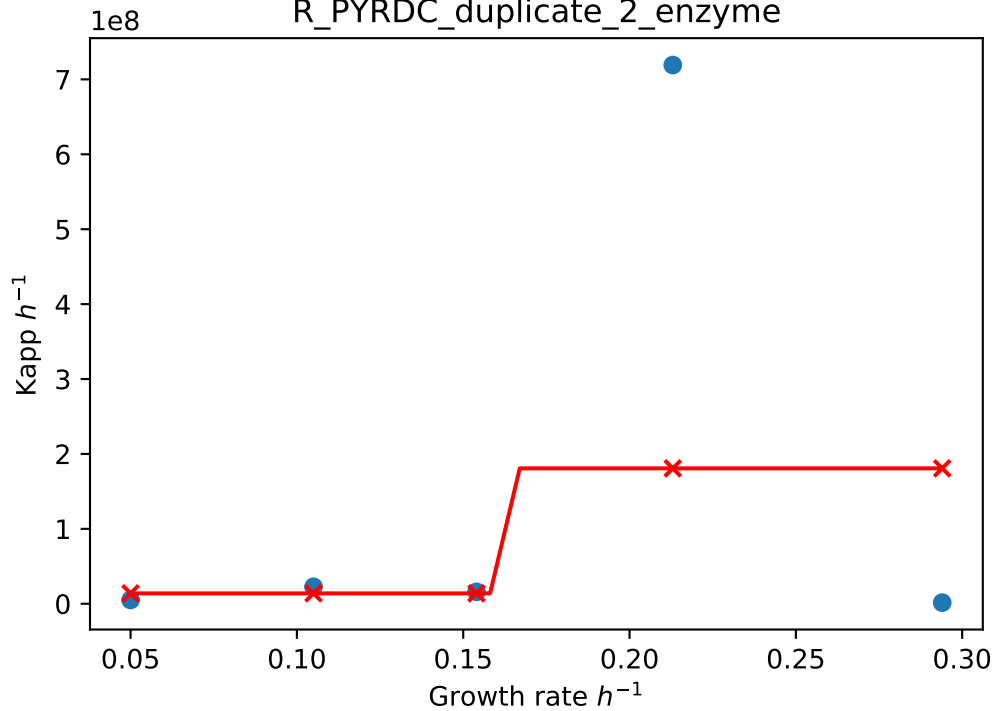


R_PYRDC_enzyme

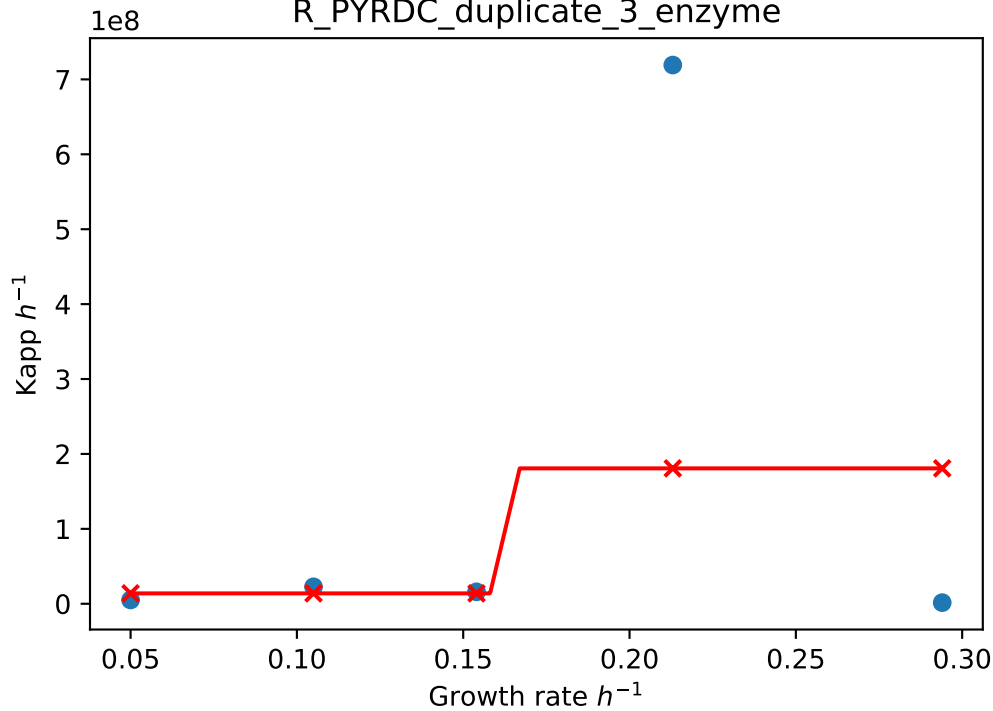




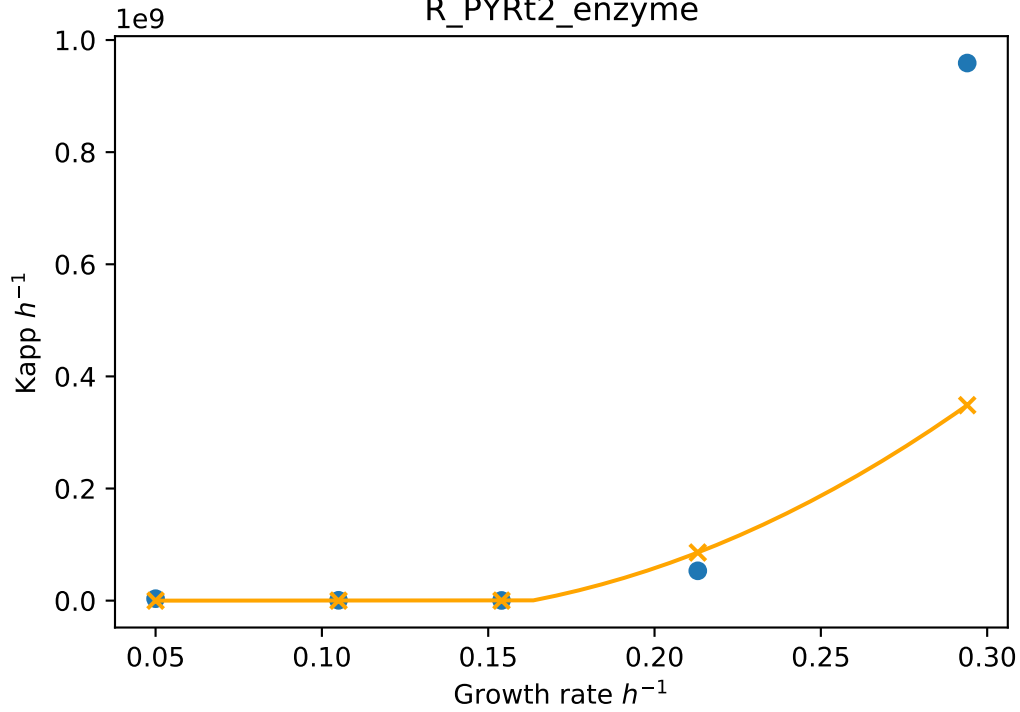
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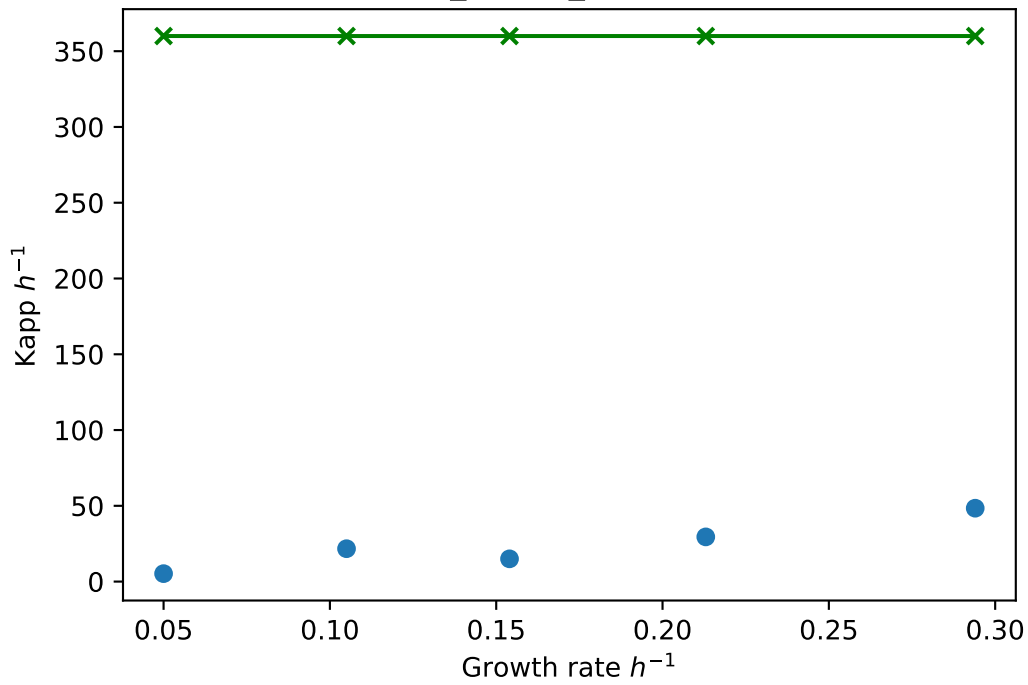
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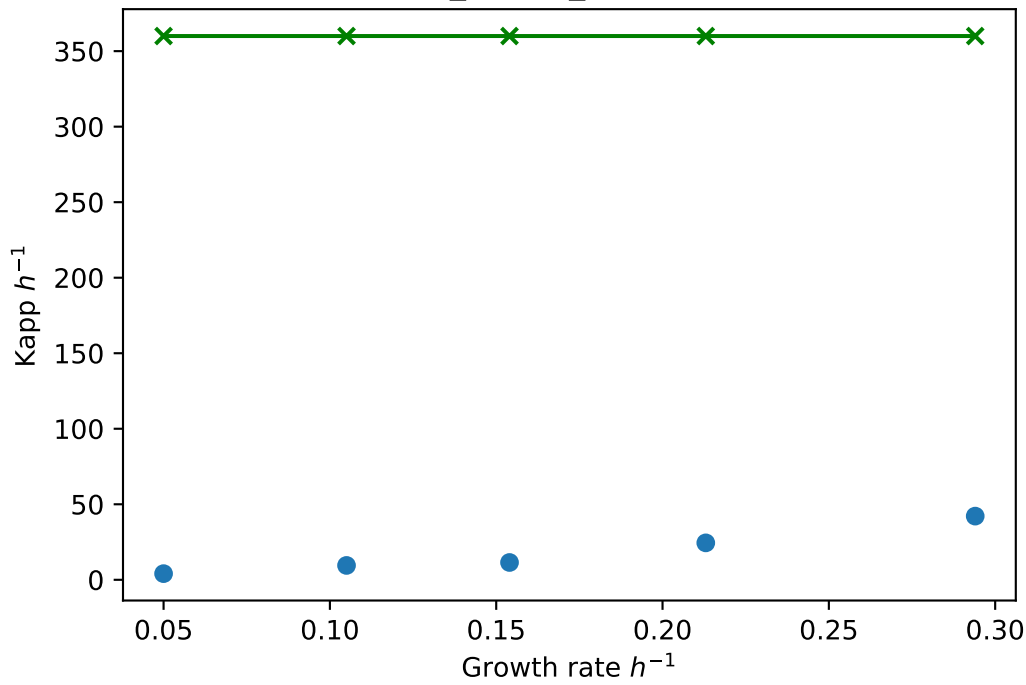
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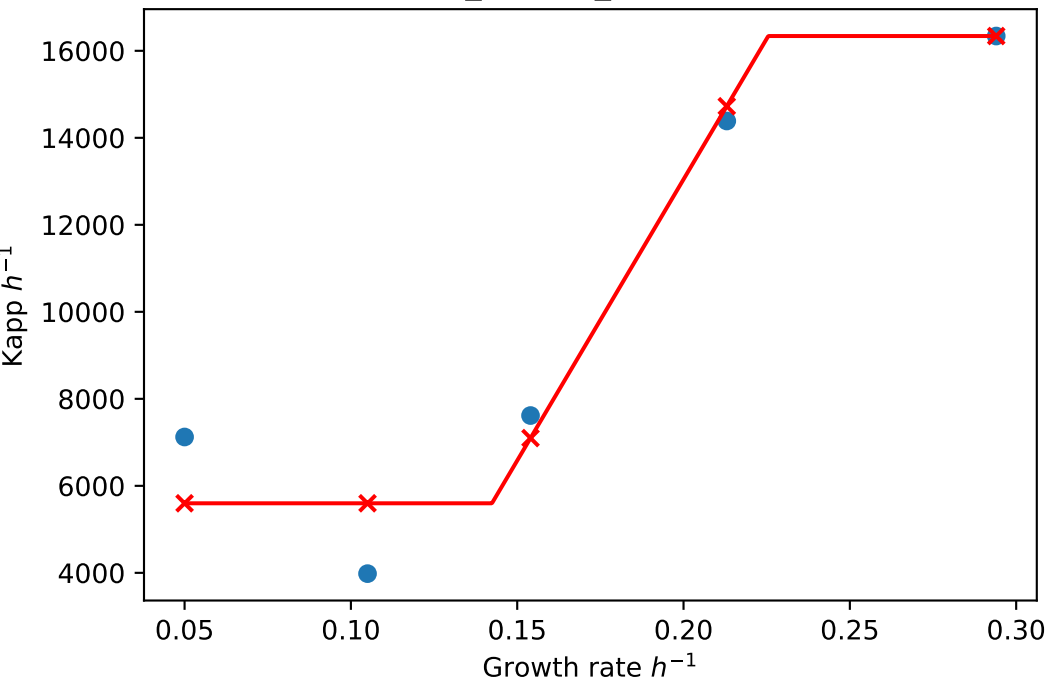
R_RBFSa_enzyme



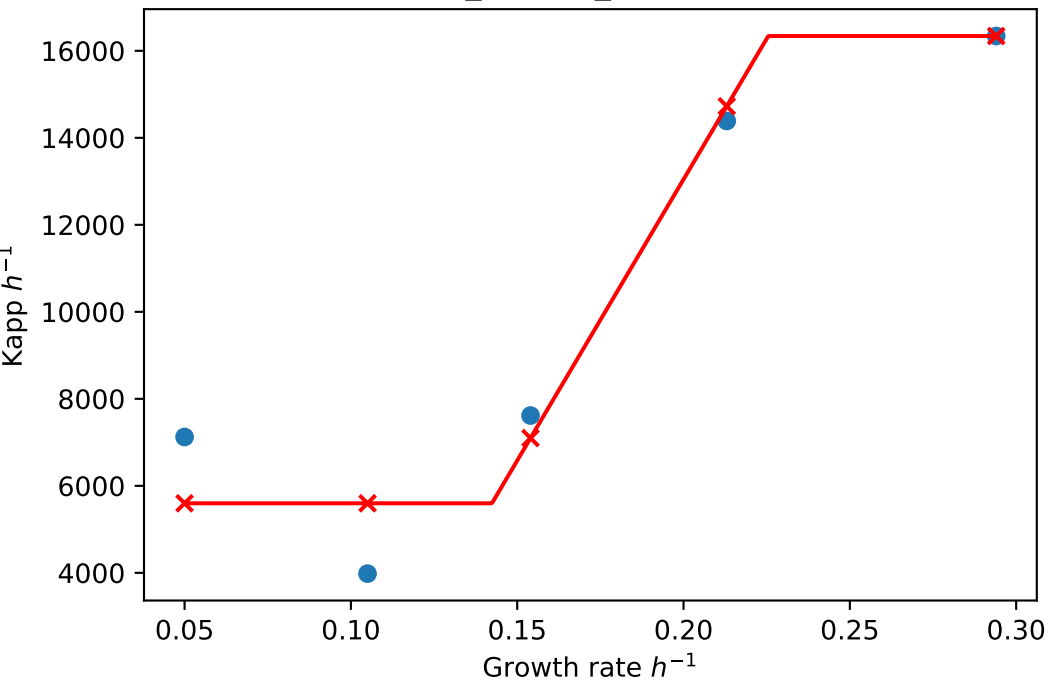
R_RBFSb_enzyme



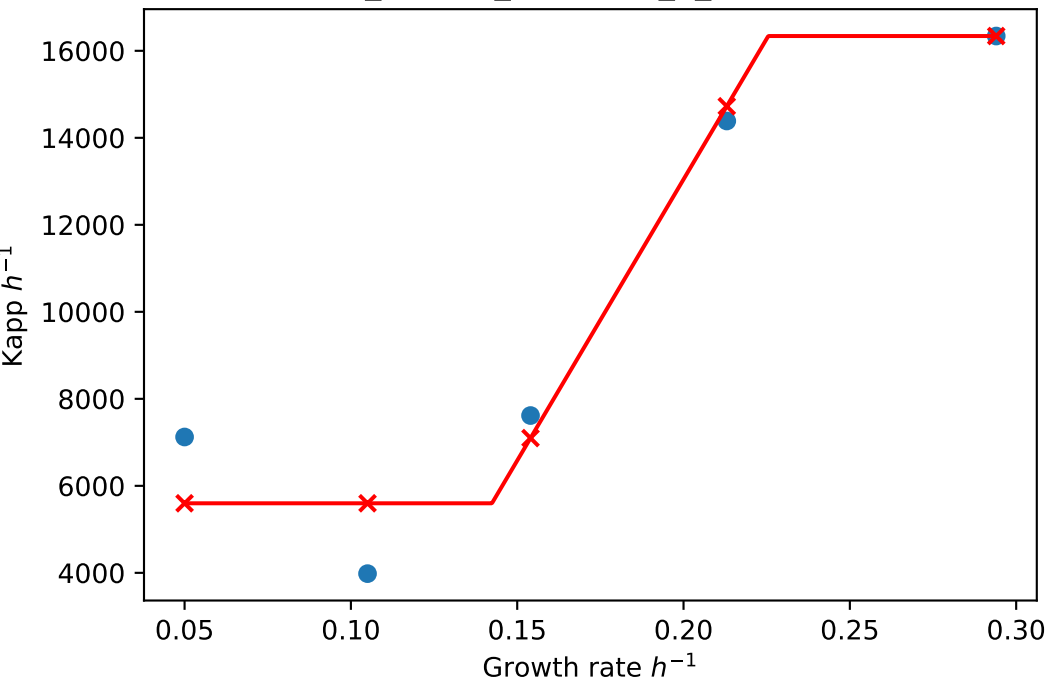
R_RNDR1_enzyme



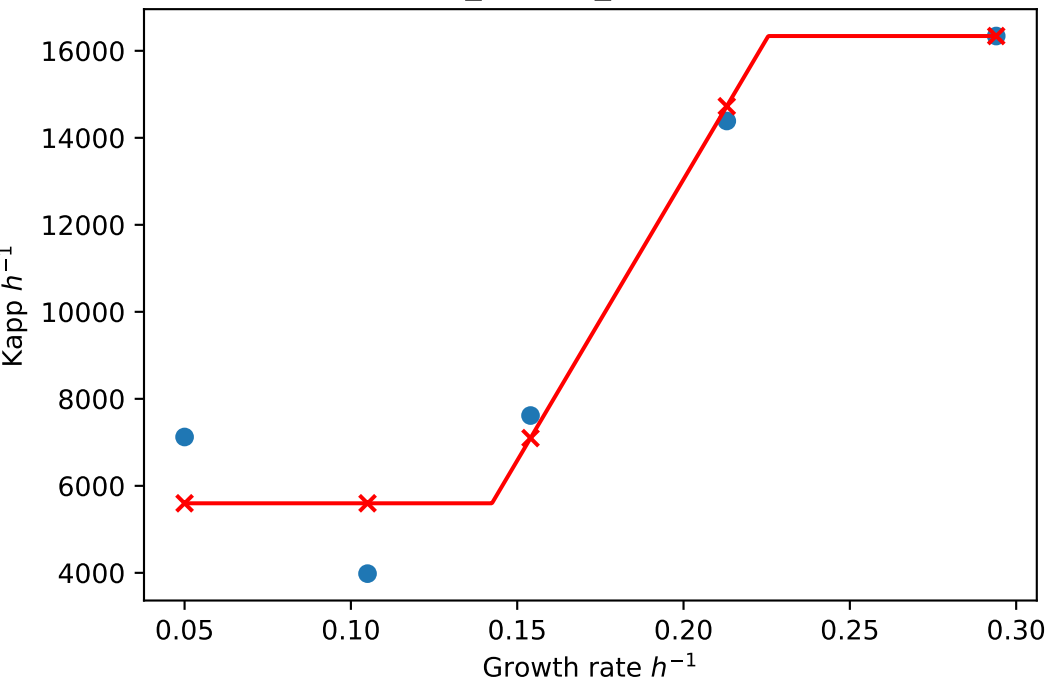
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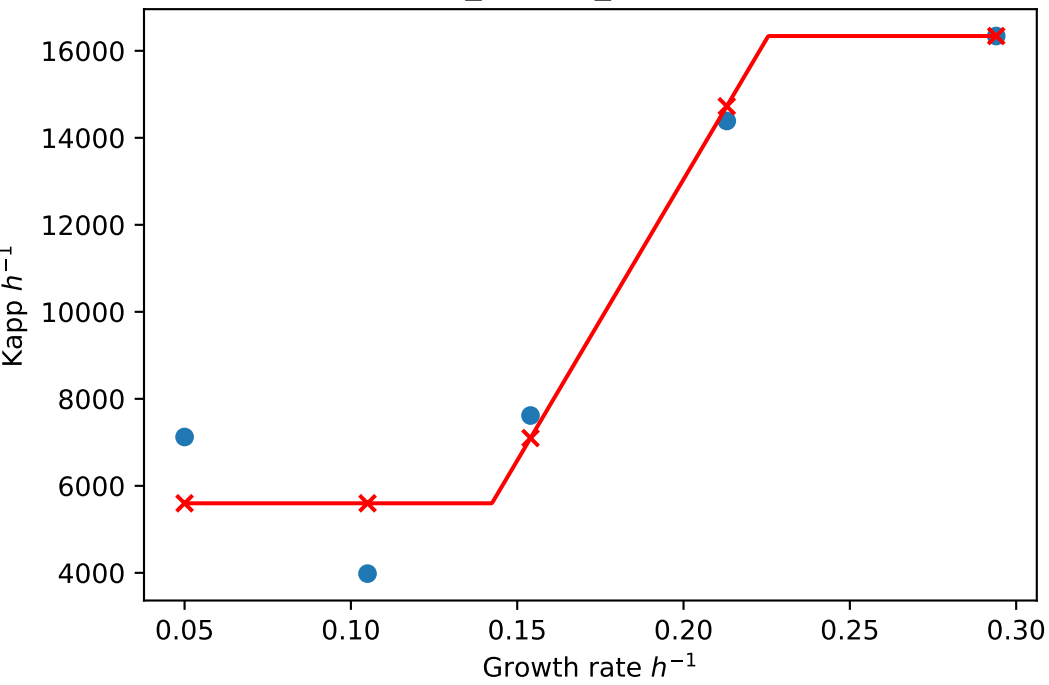
R_RNDR2_duplicate_2_enzyme



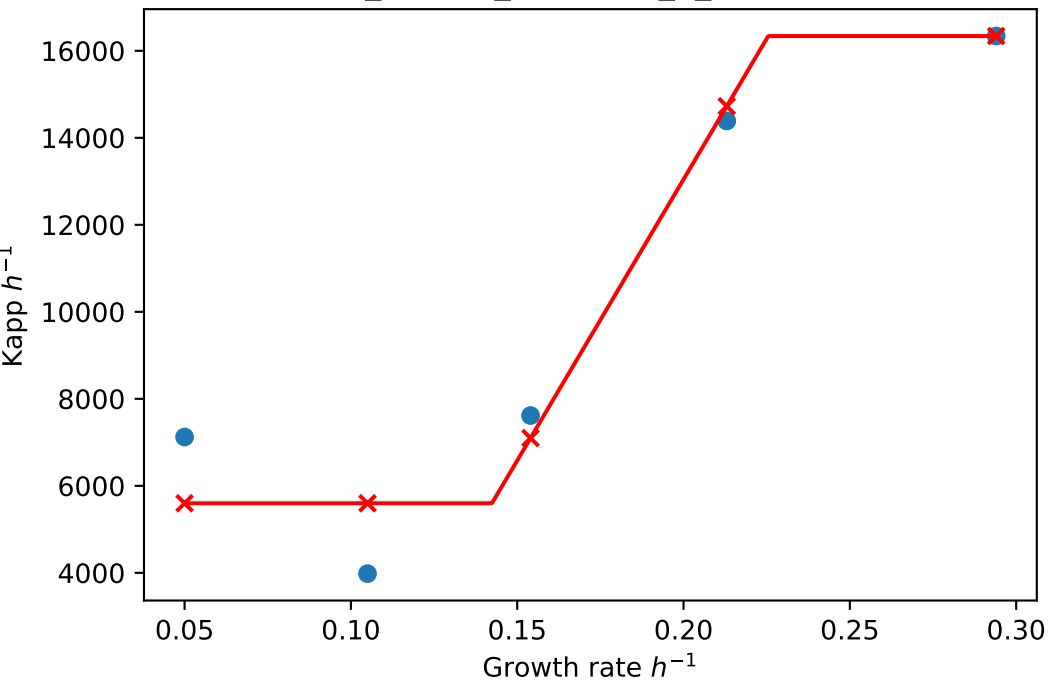
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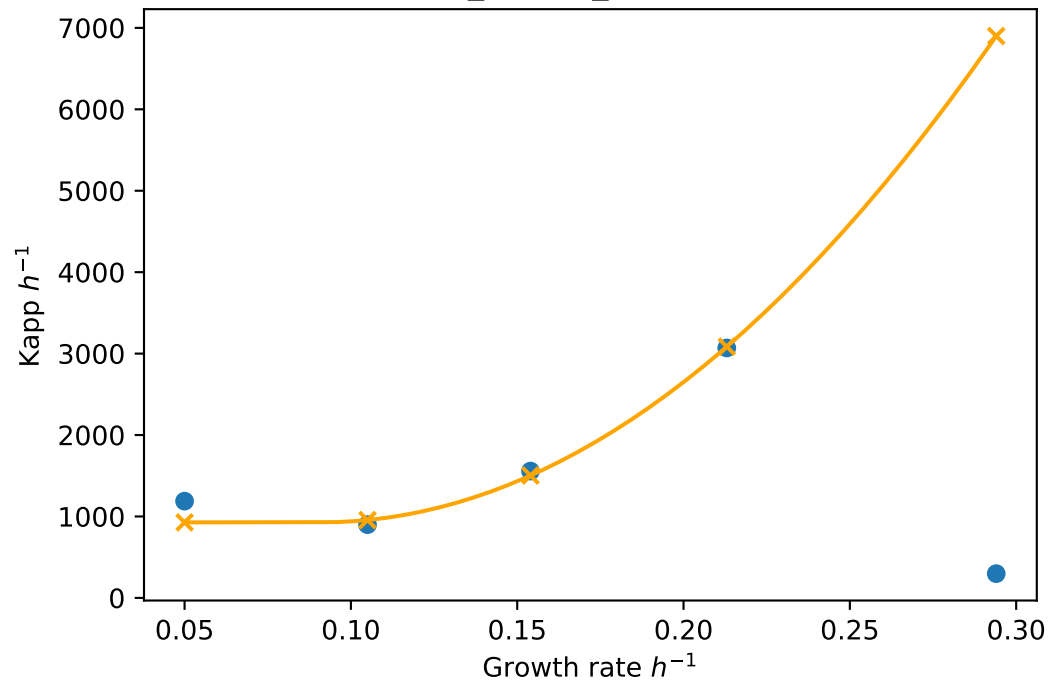
R_RNDR4_enzyme



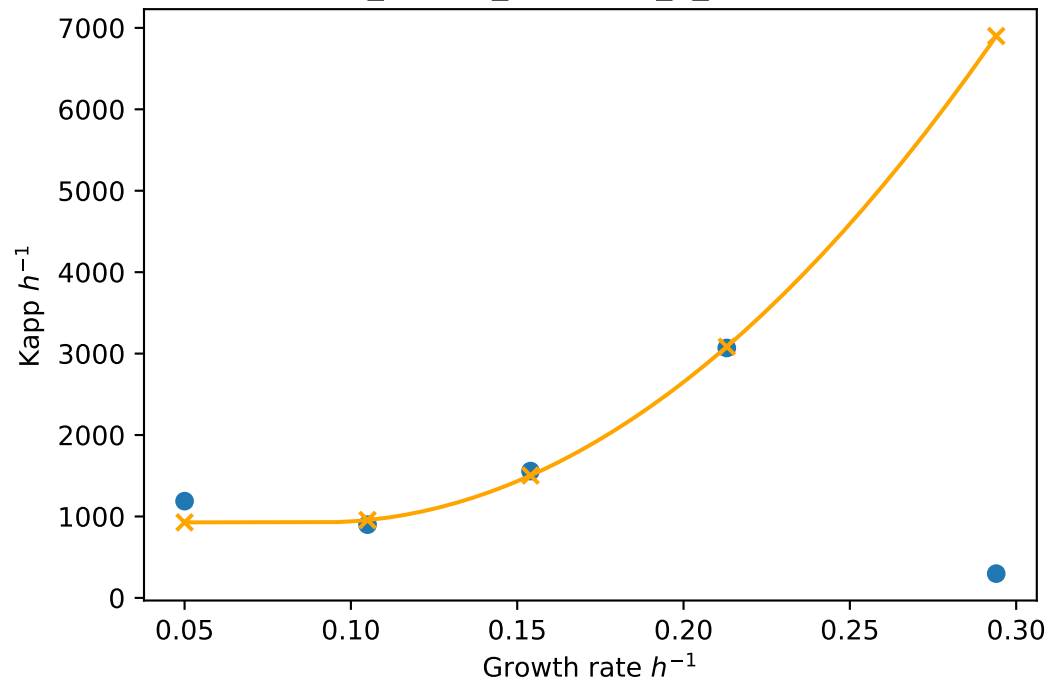
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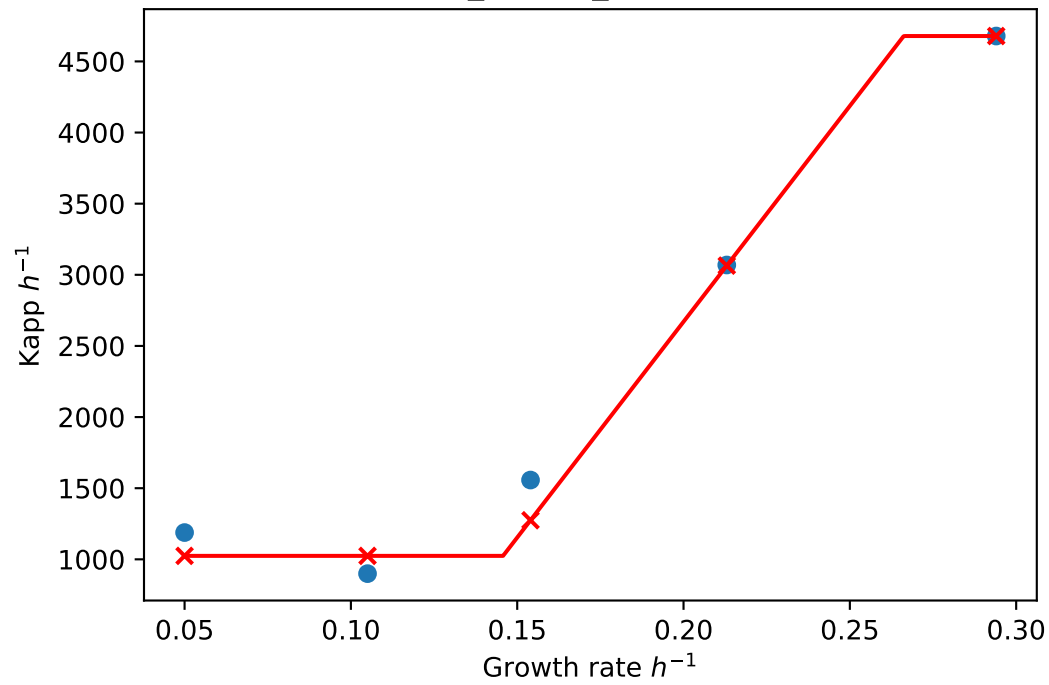
R_RNTR1_enzyme



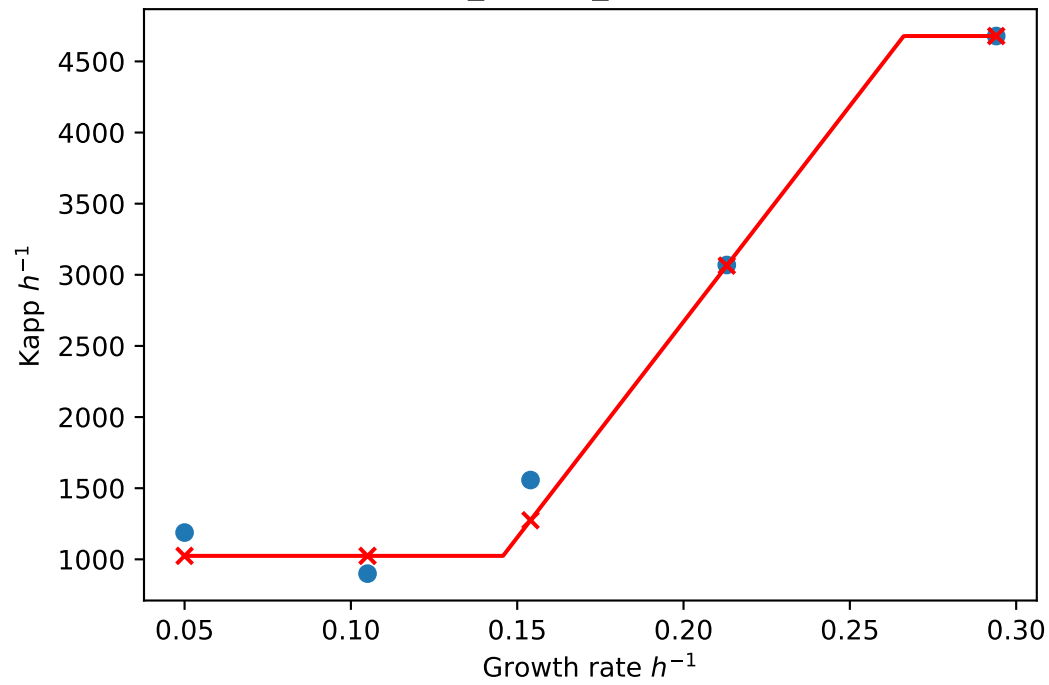
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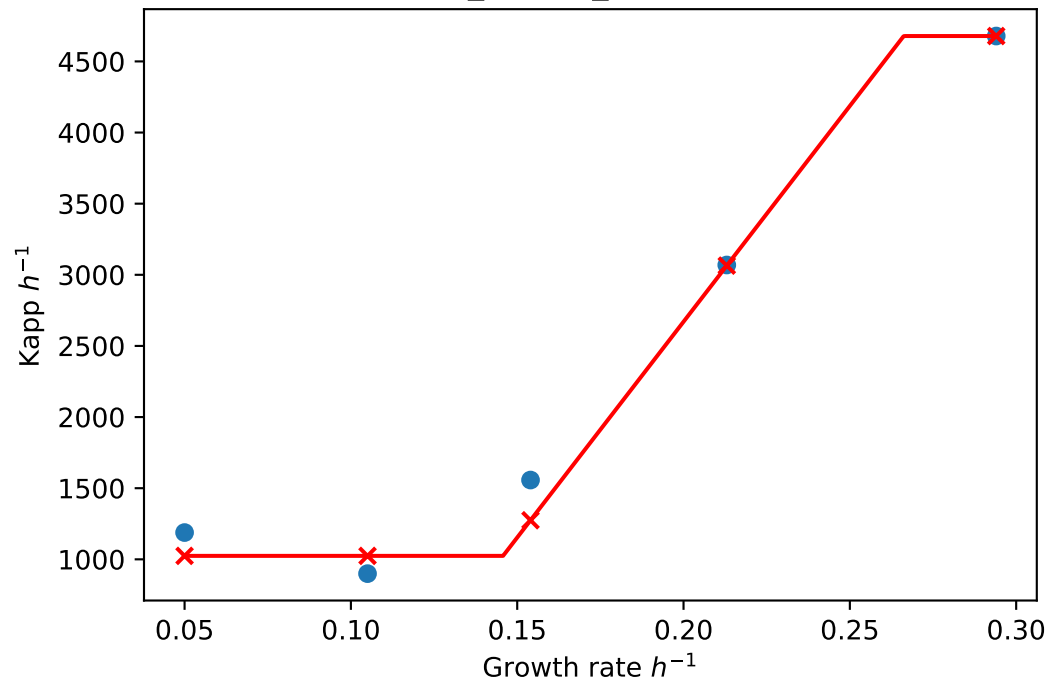
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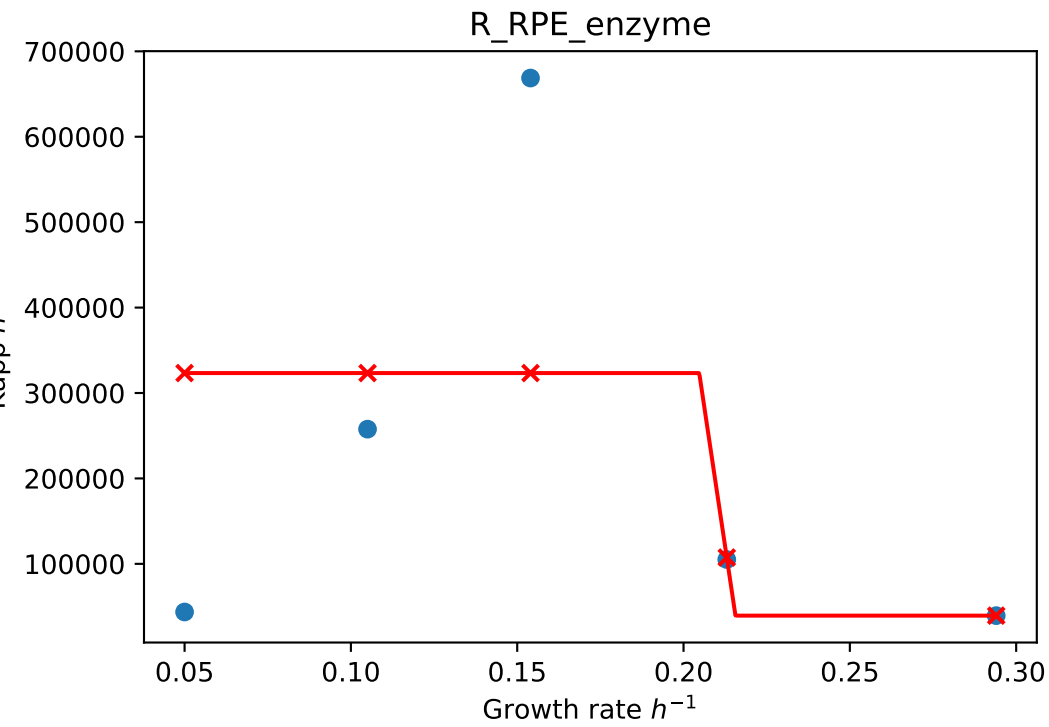


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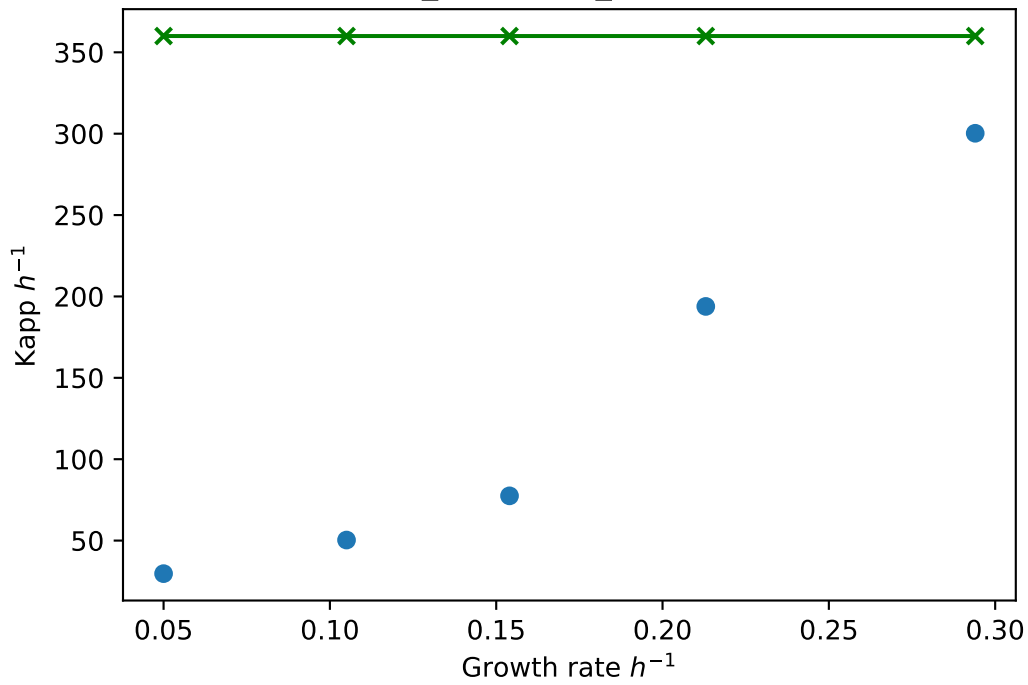


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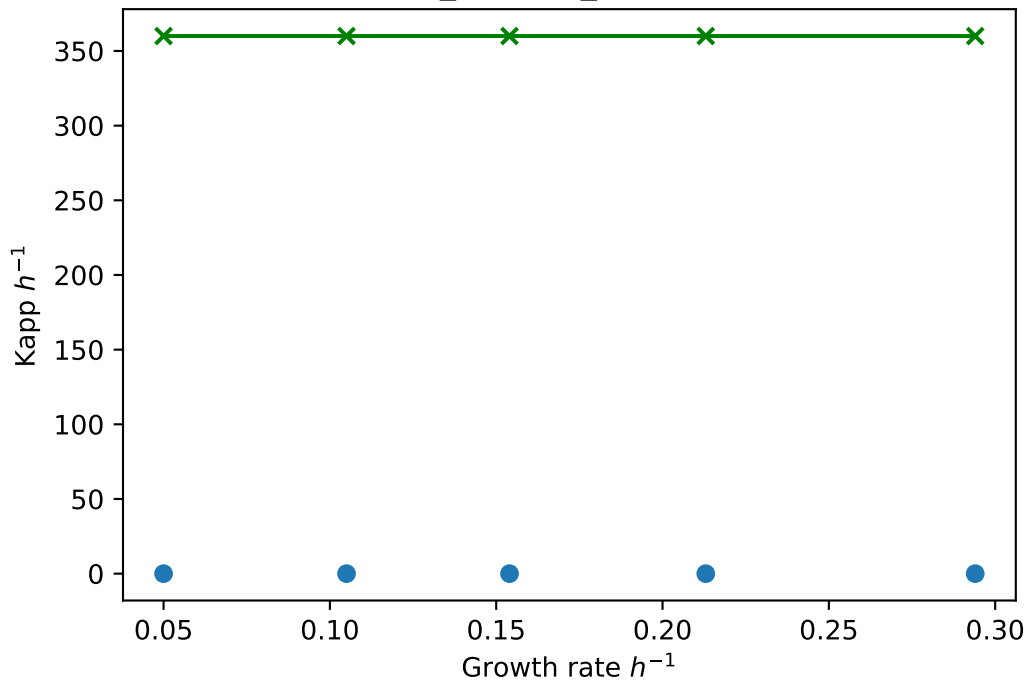




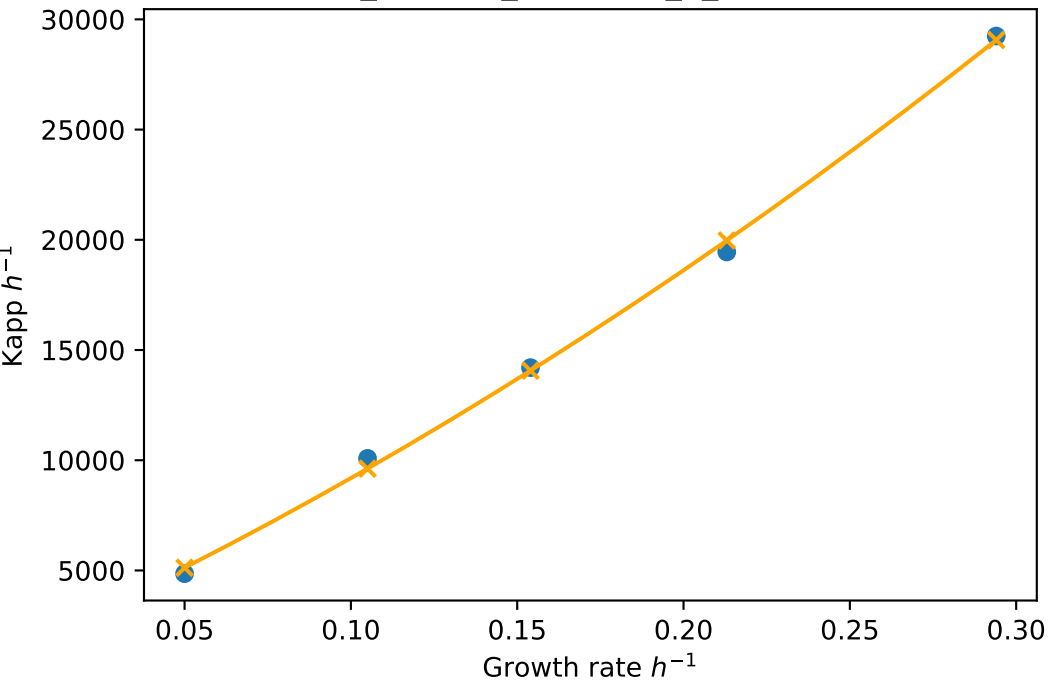
R_SAM24MT_enzyme



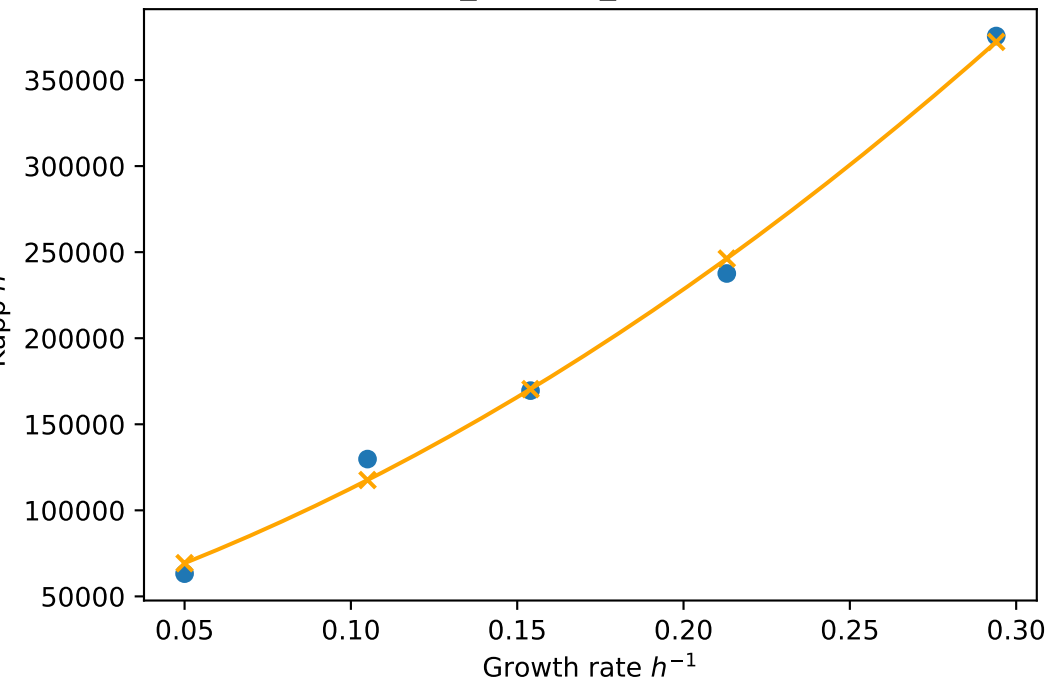
R_SERTRS_enzyme



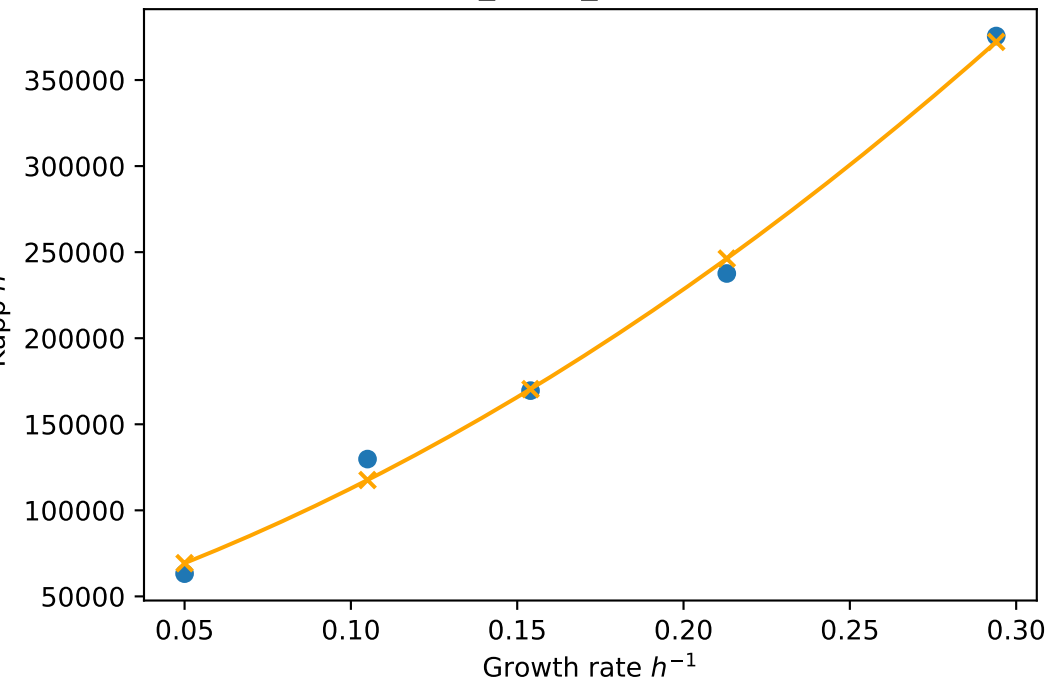
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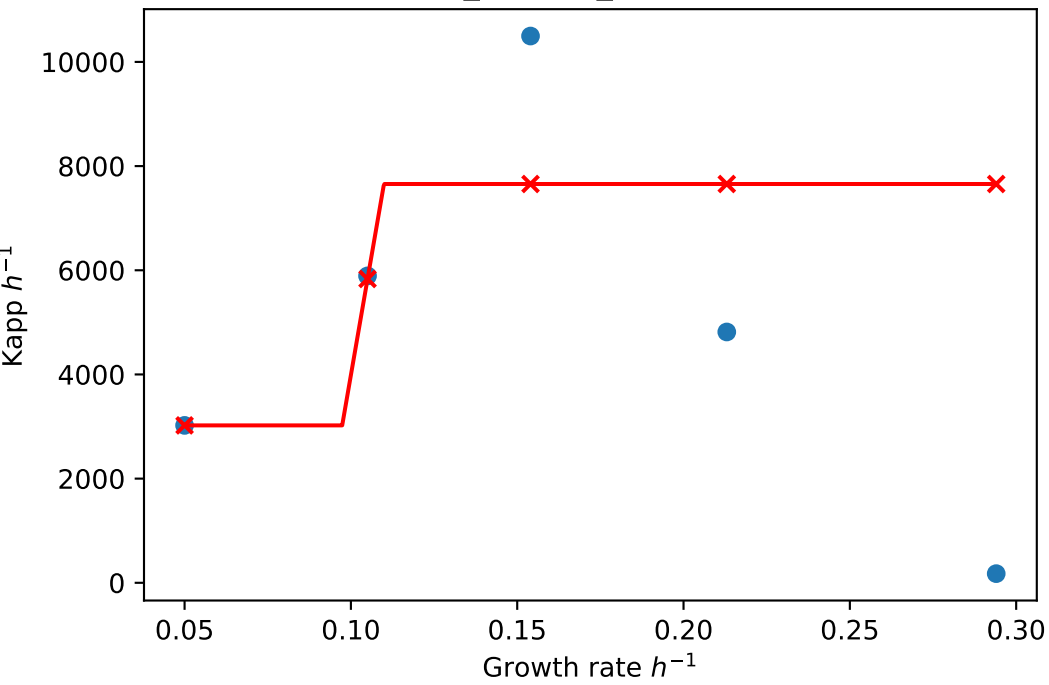
R_SHK3Dr_enzyme



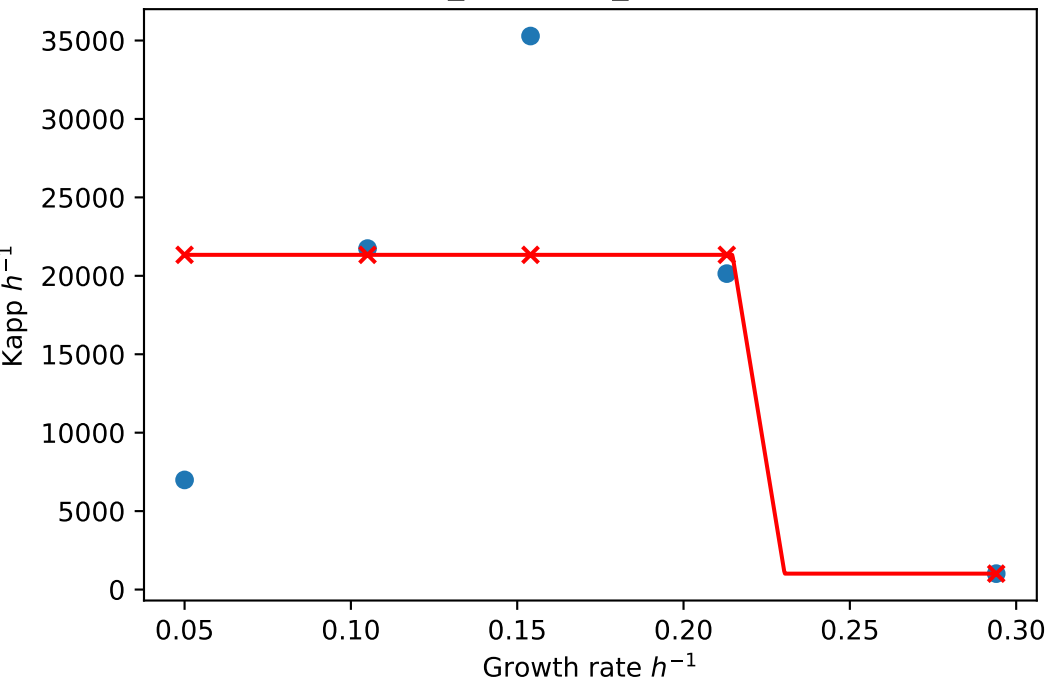
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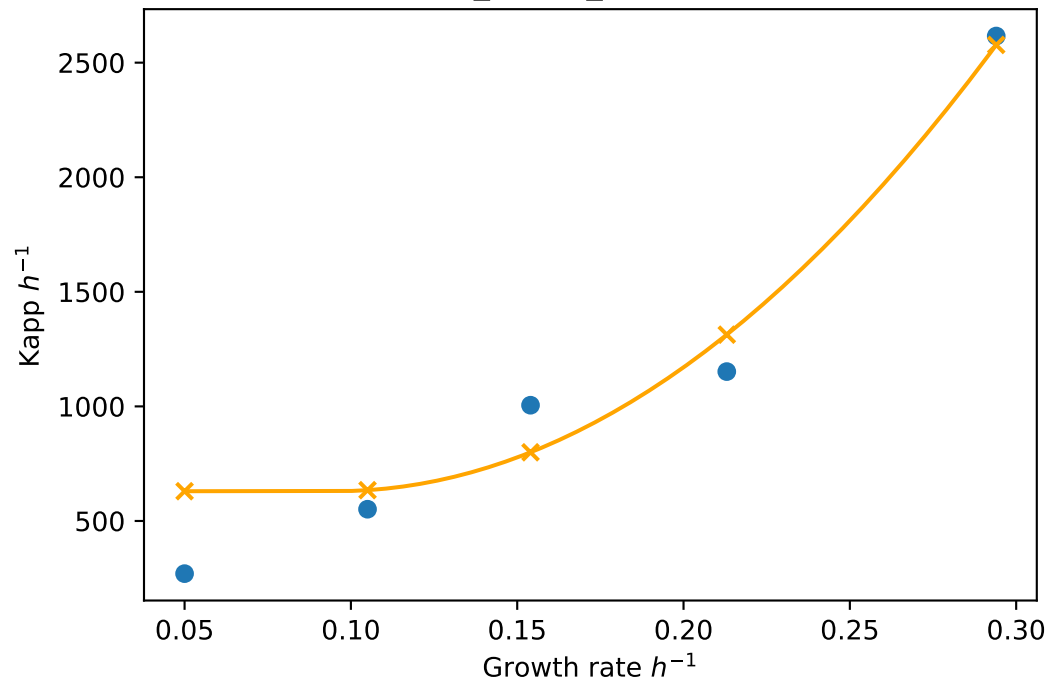
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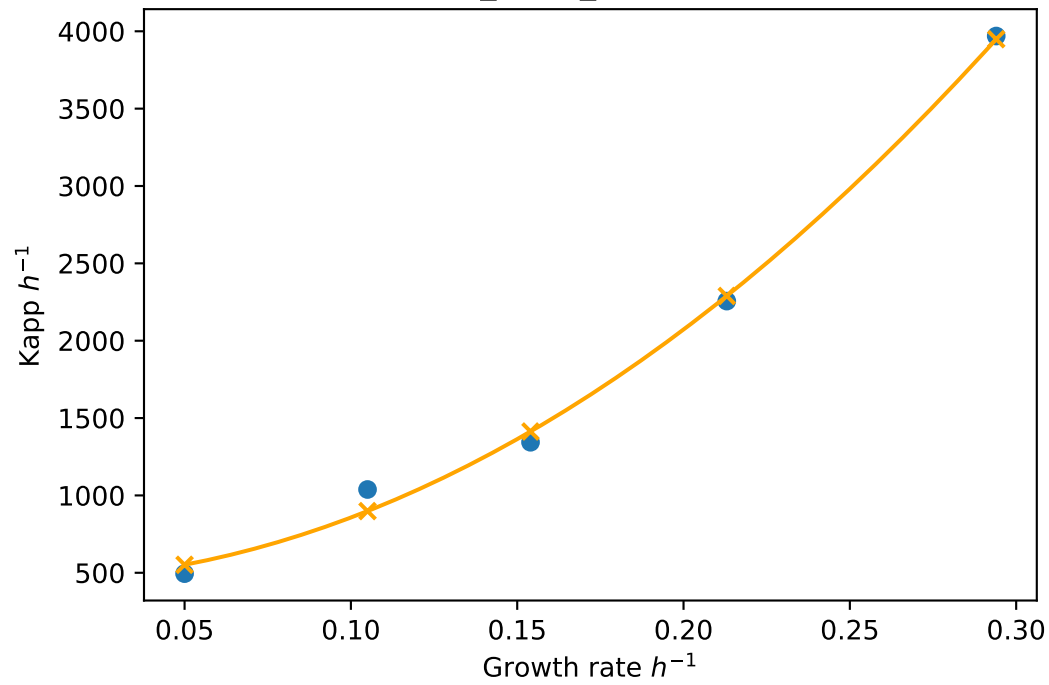
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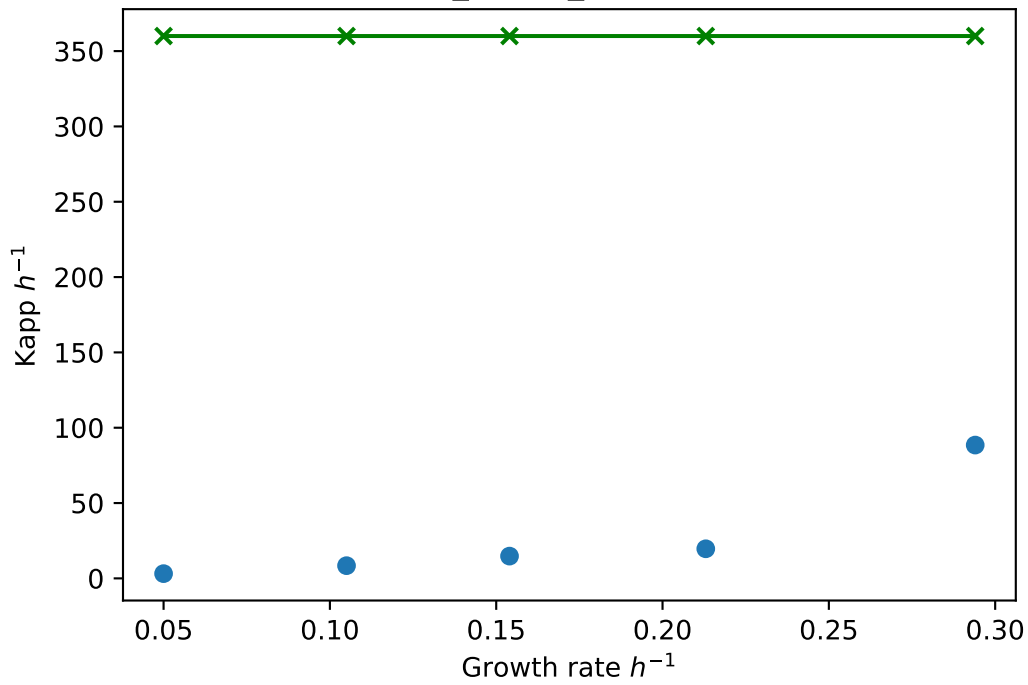
R_SQLEr_enzyme



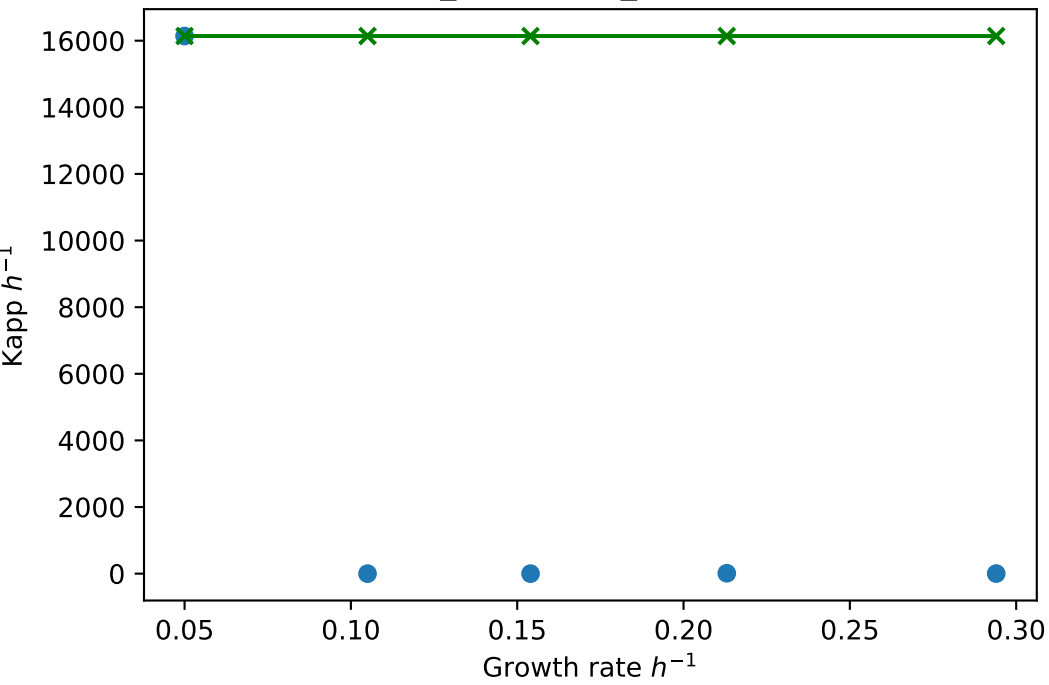
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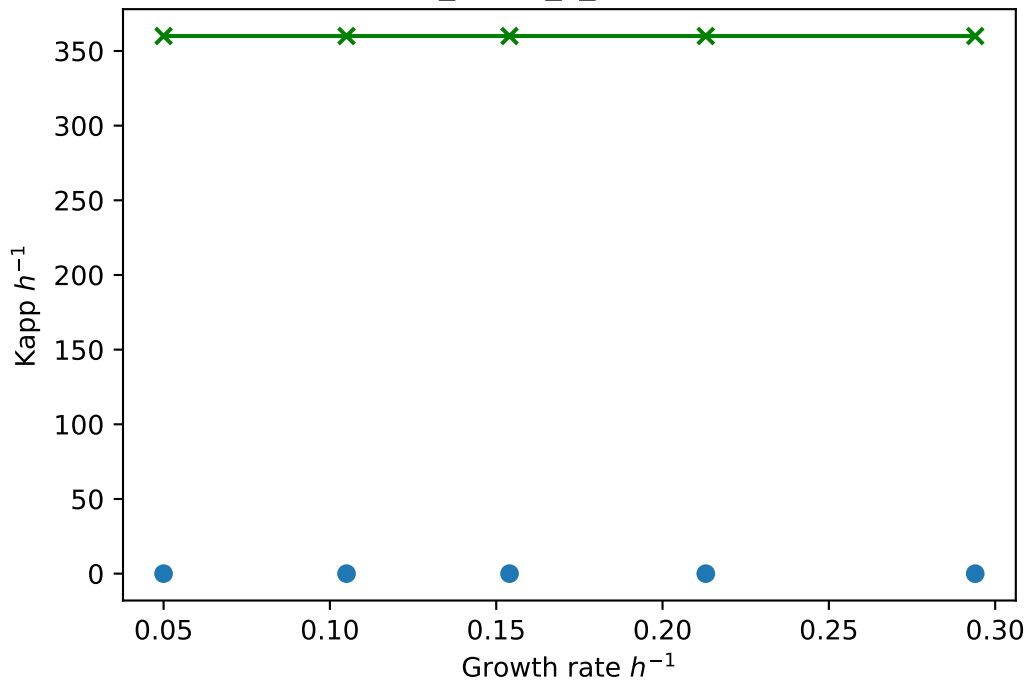
R_SSALy_enzyme



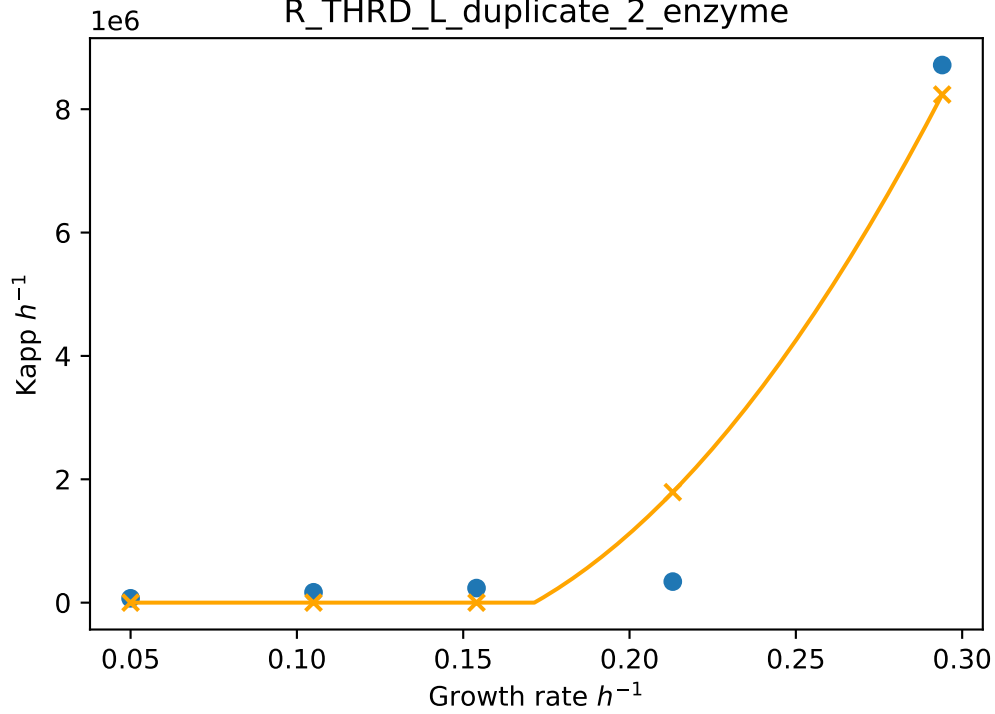
R_SUCOASm_enzyme



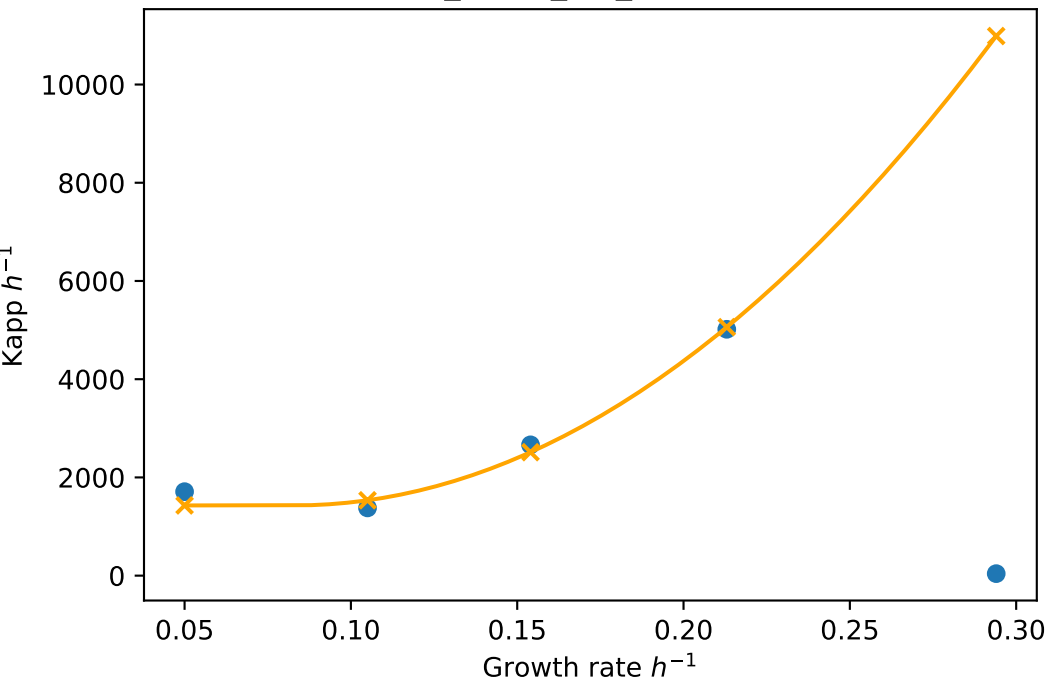
R_THRD_L_enzyme



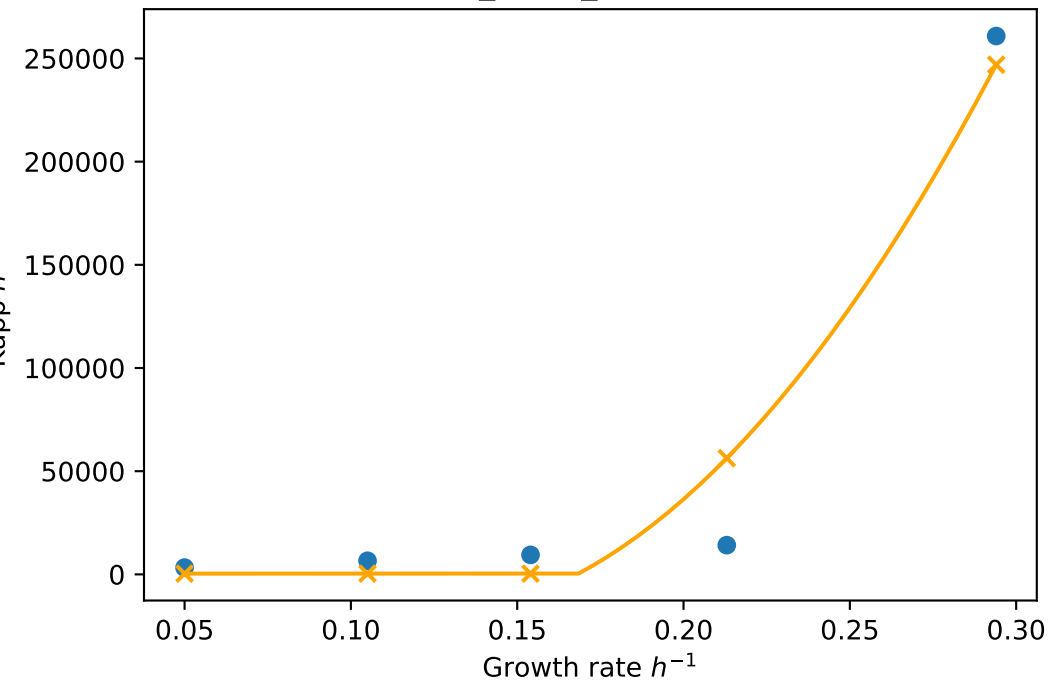
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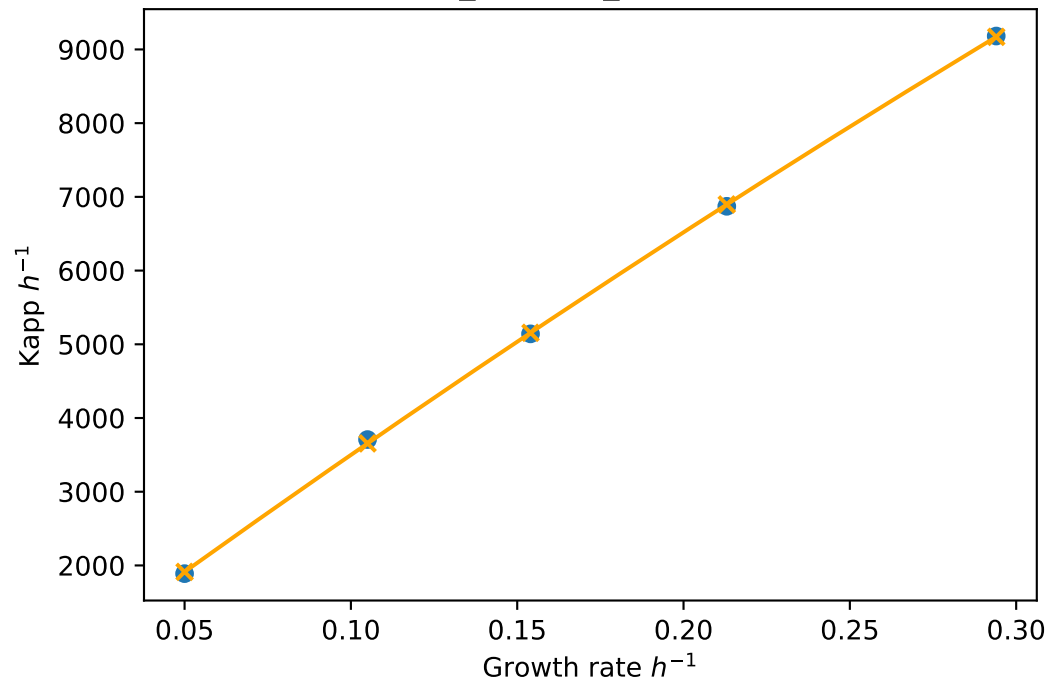
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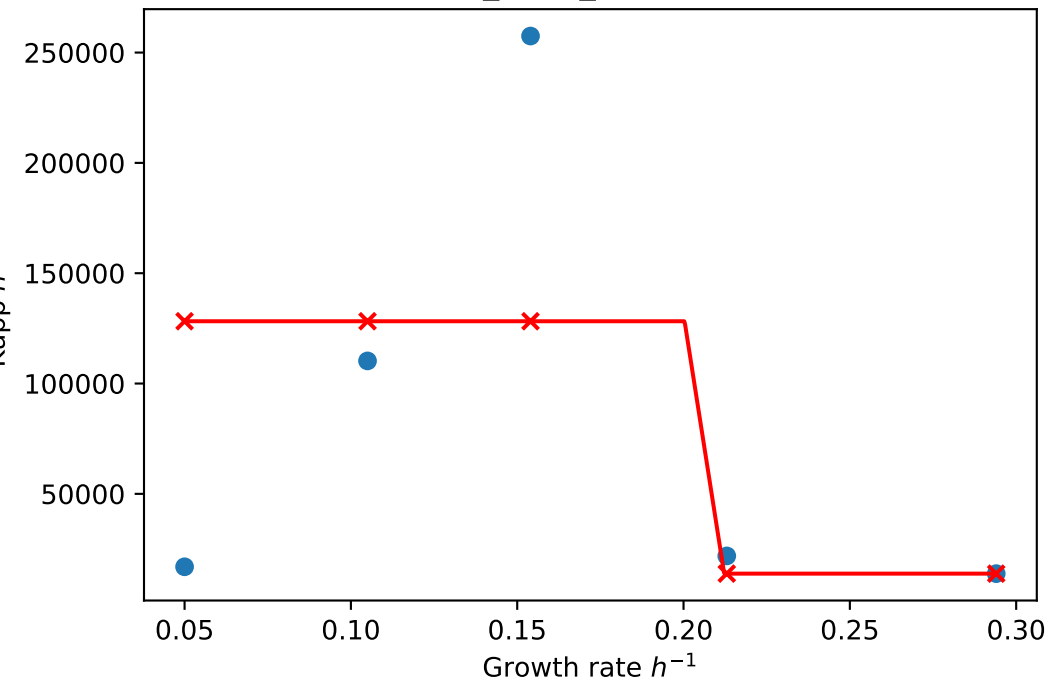
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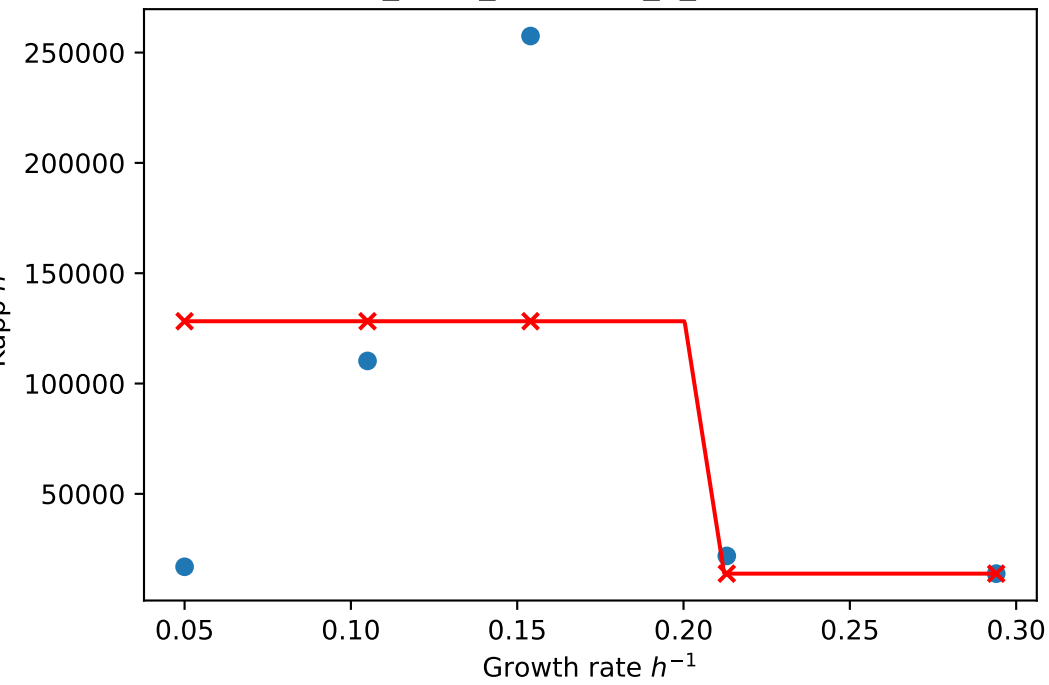
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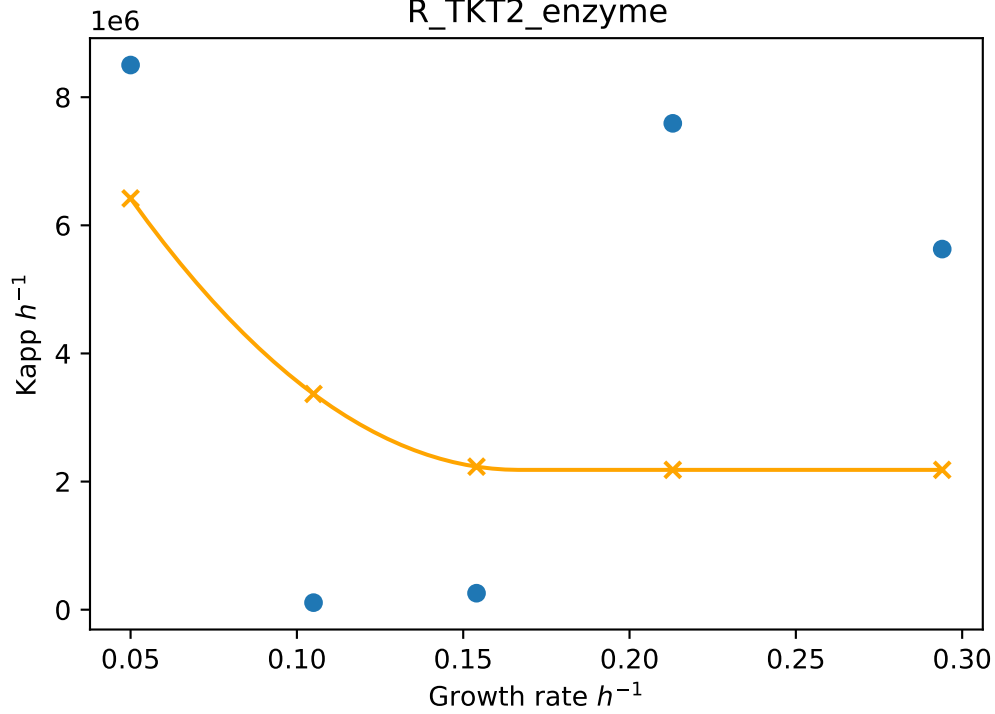
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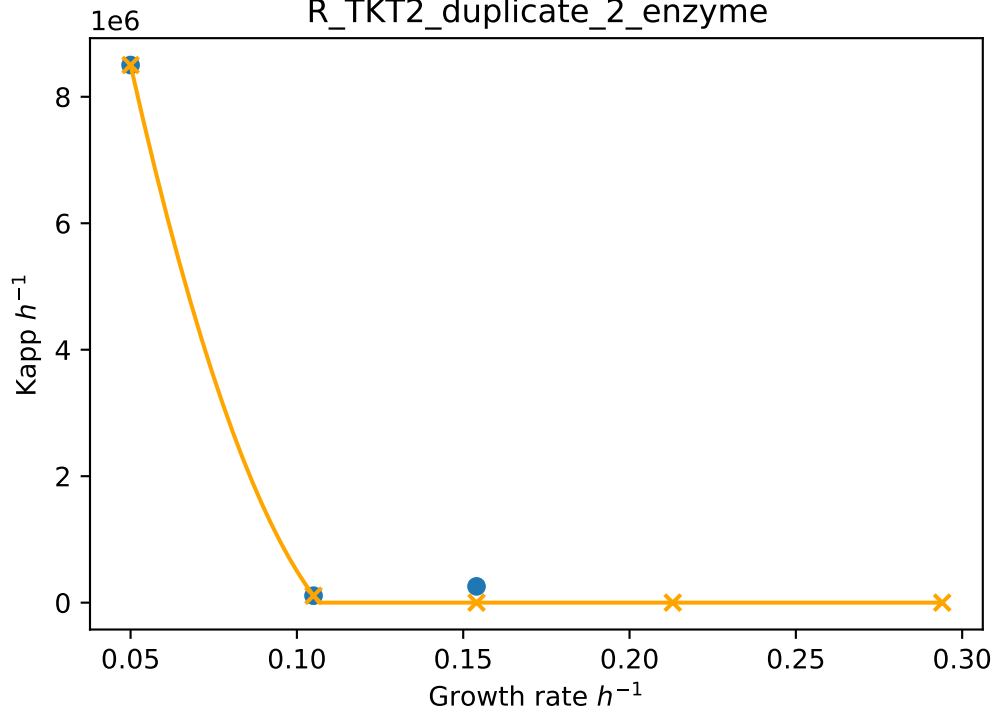
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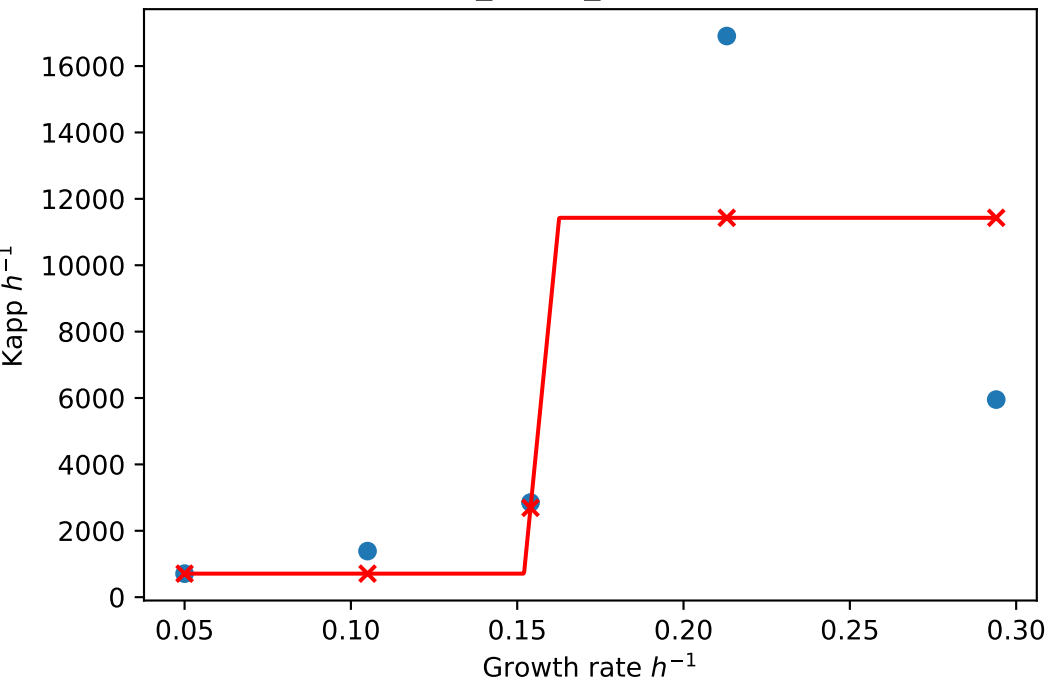
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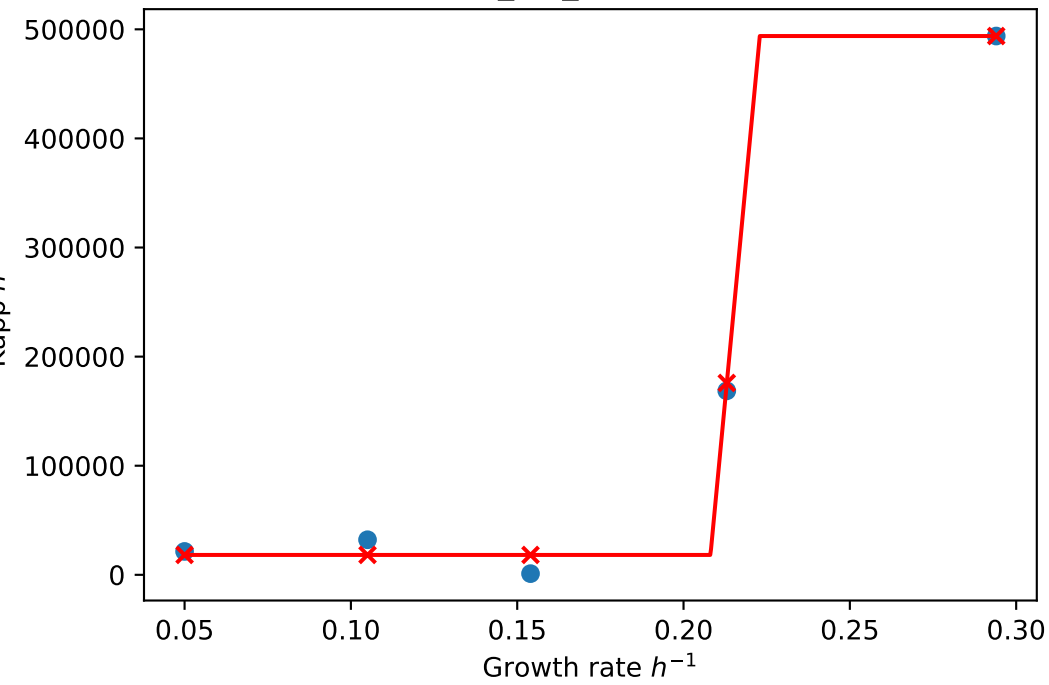
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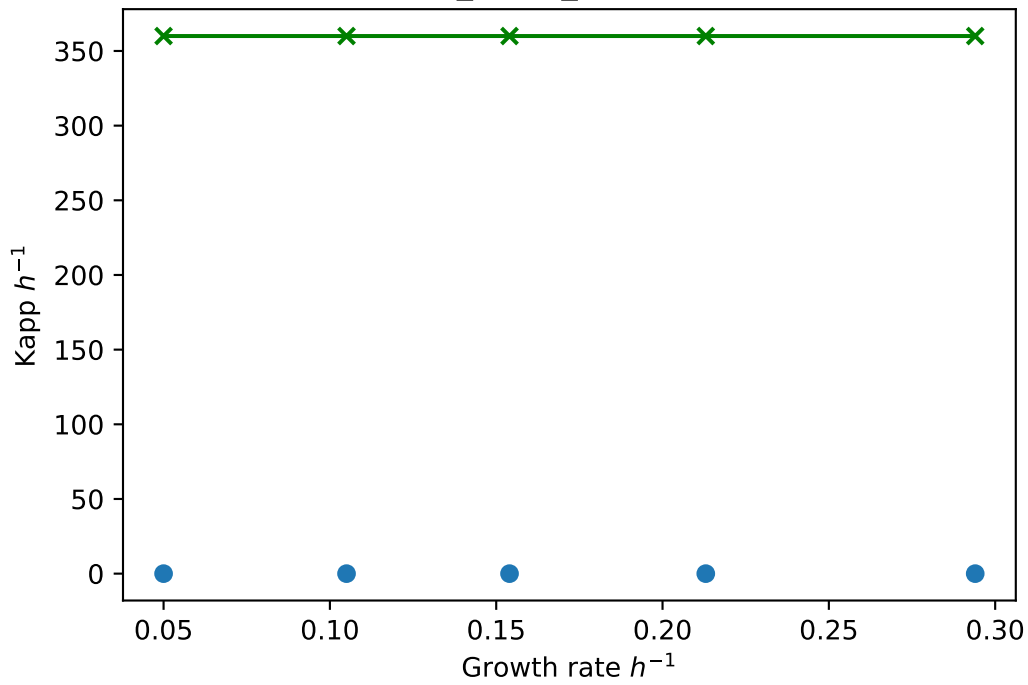
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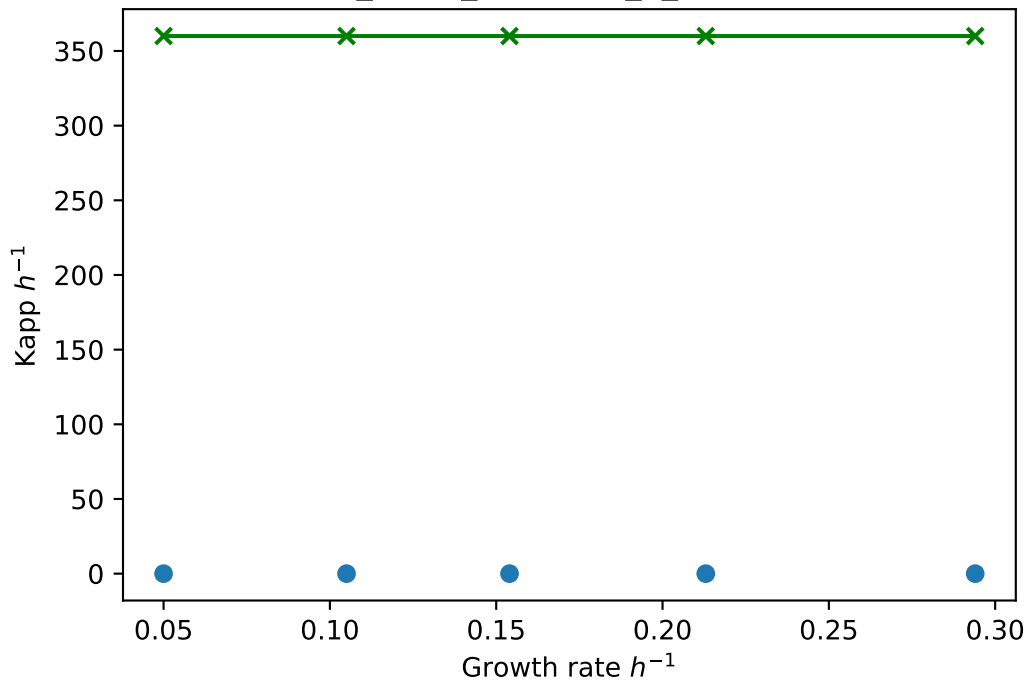
R_TPI_enzyme



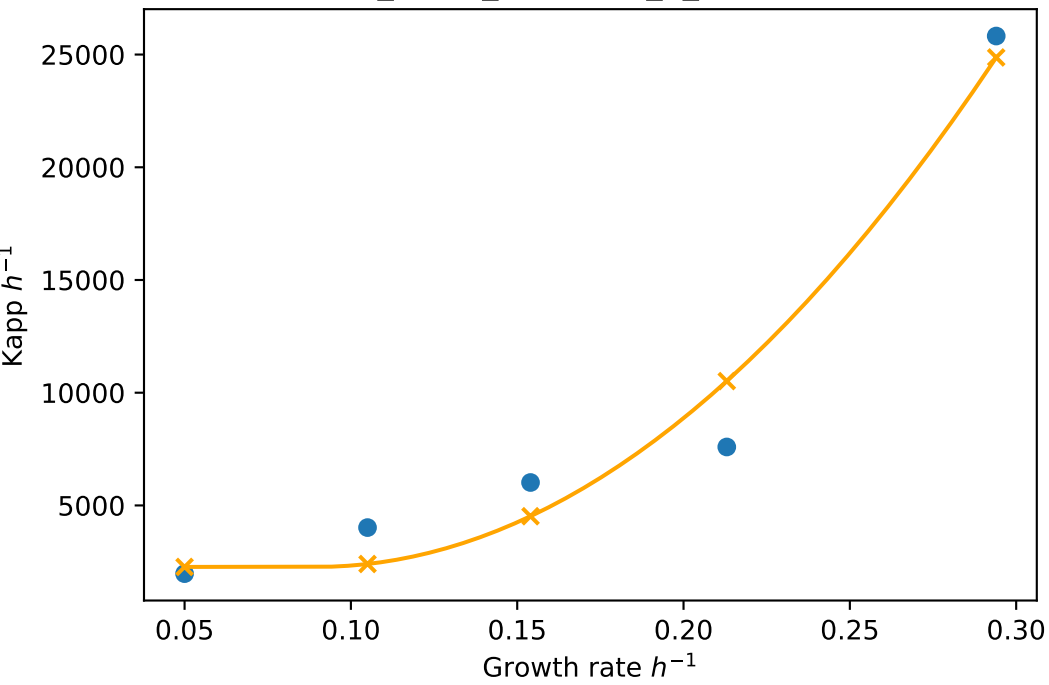
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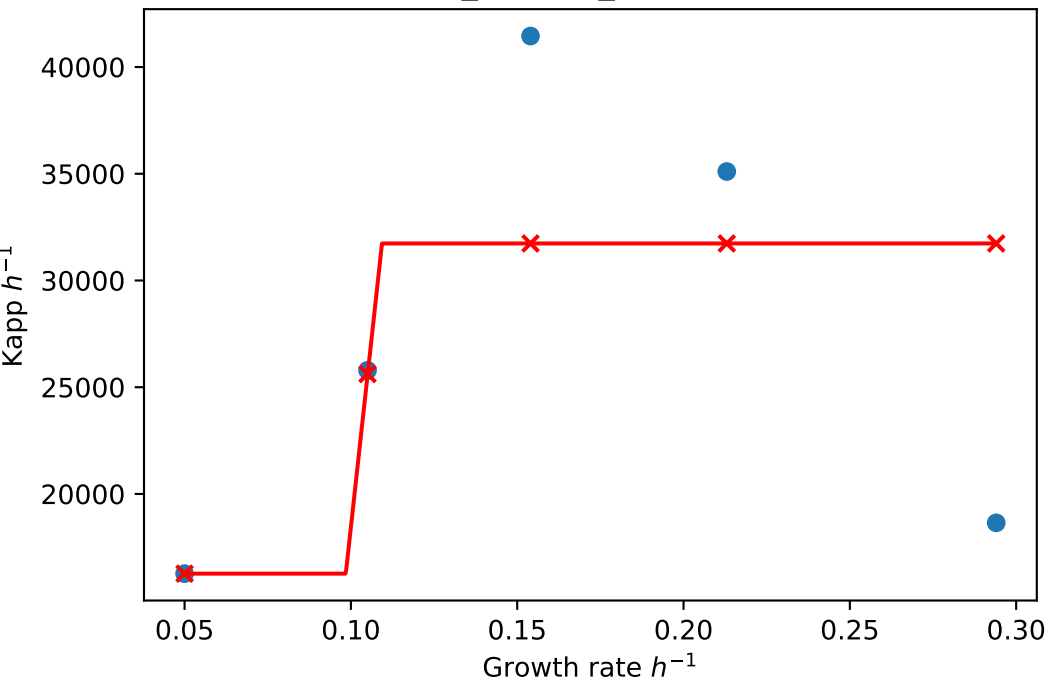
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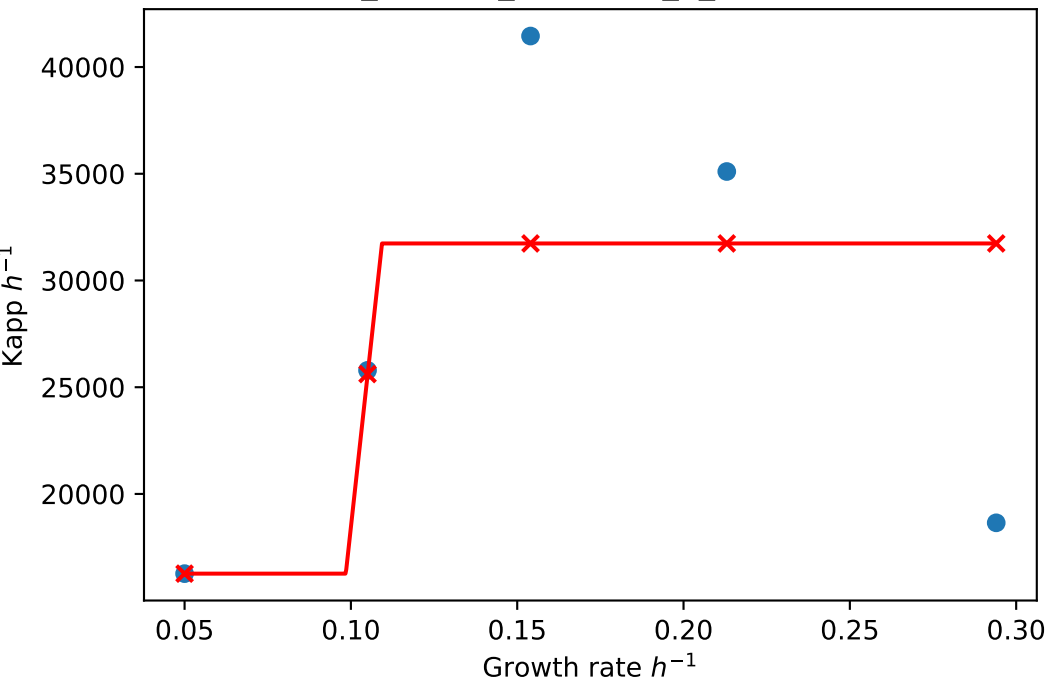
R_TRDR_duplicate_3_enzyme



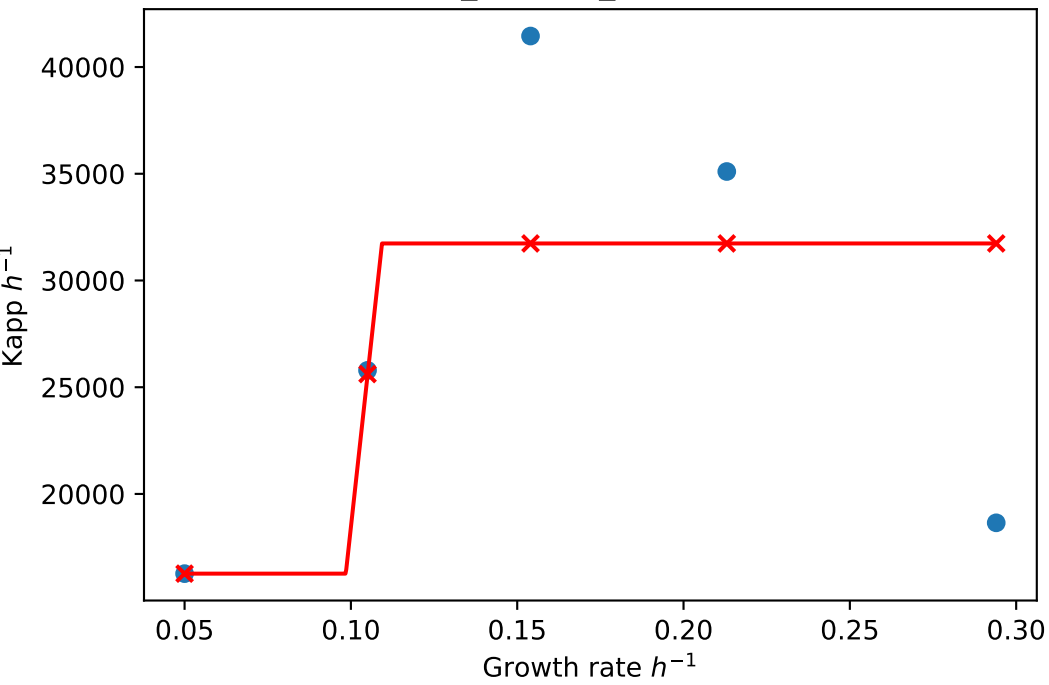
R_TRE6PP_enzyme



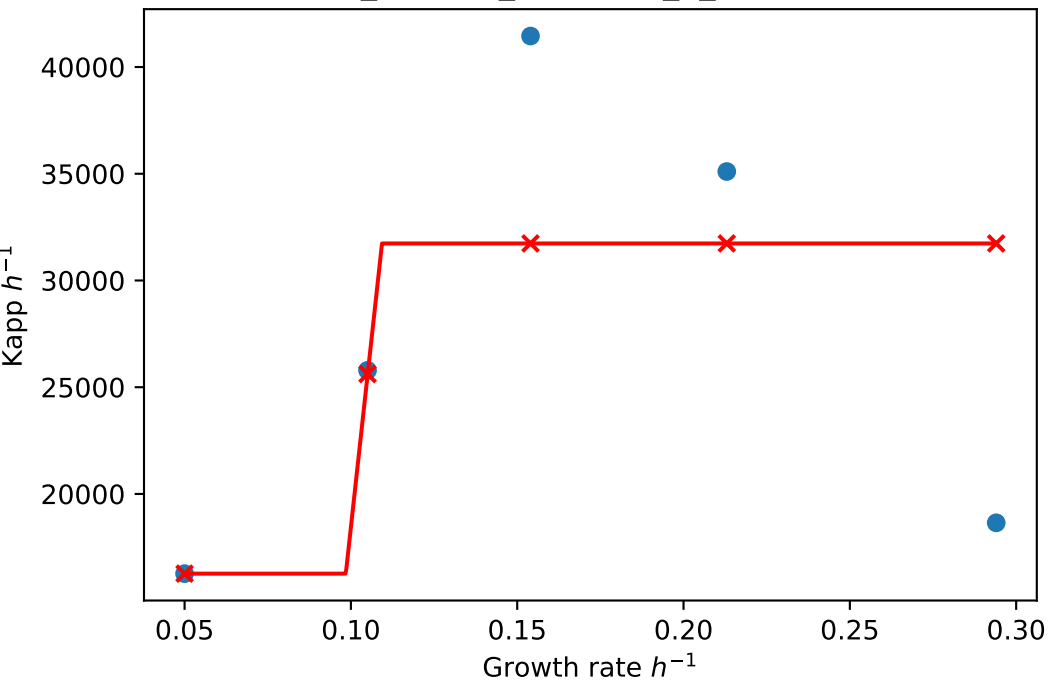
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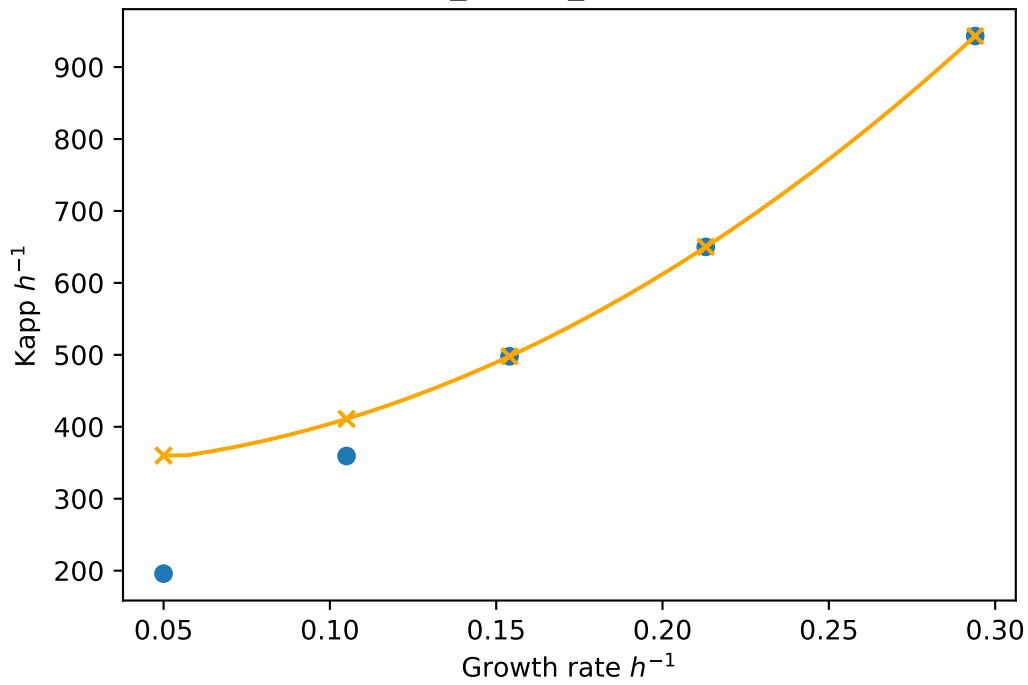
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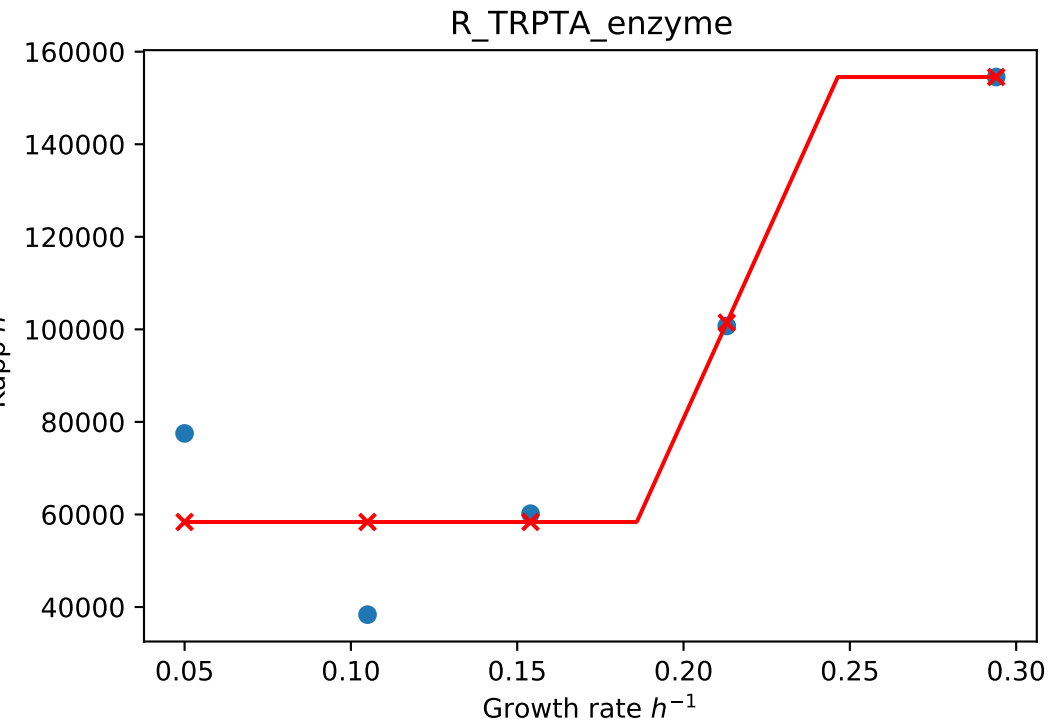


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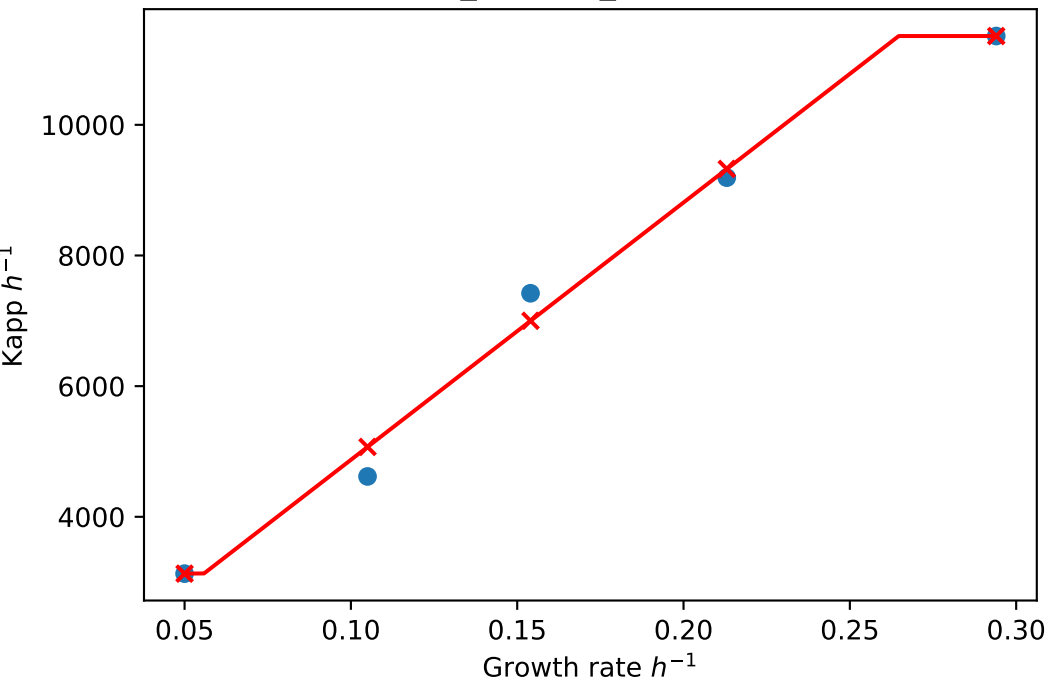


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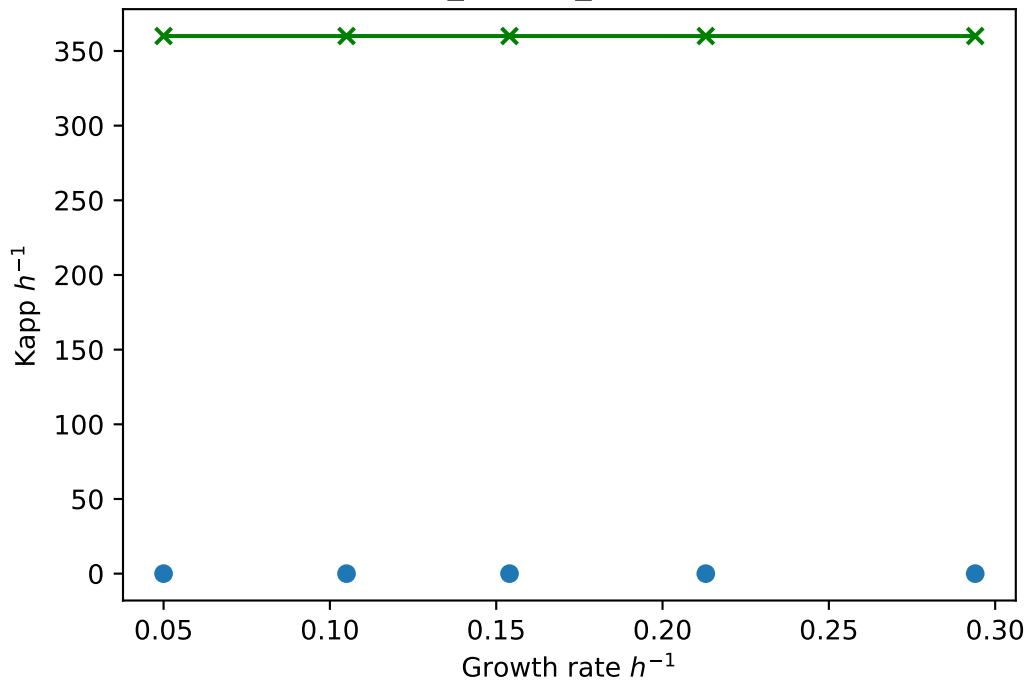




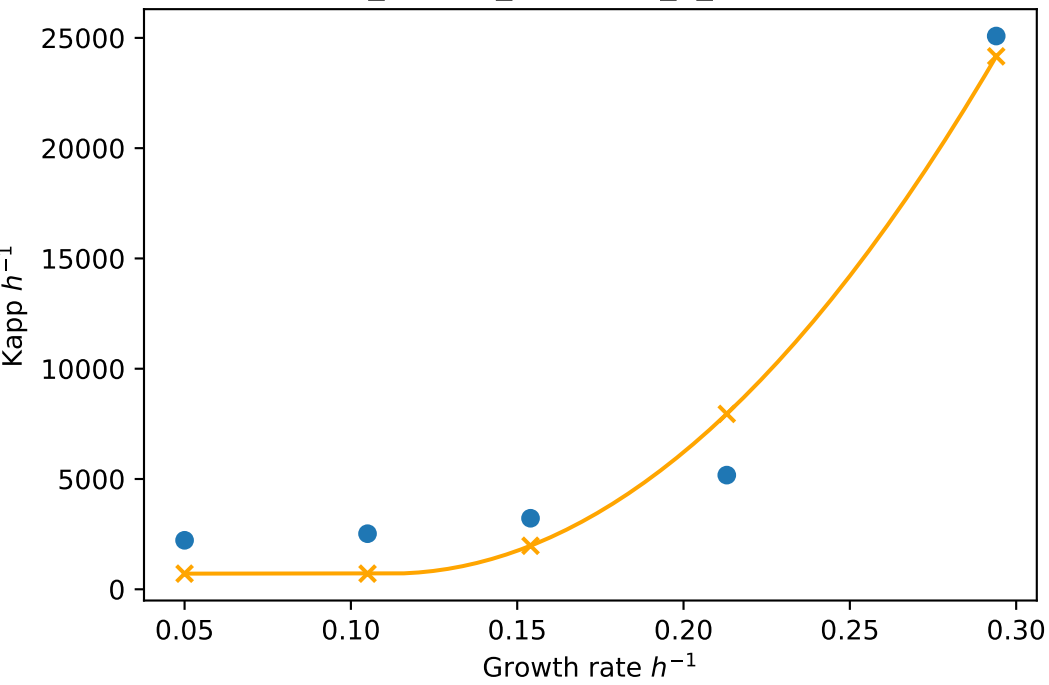
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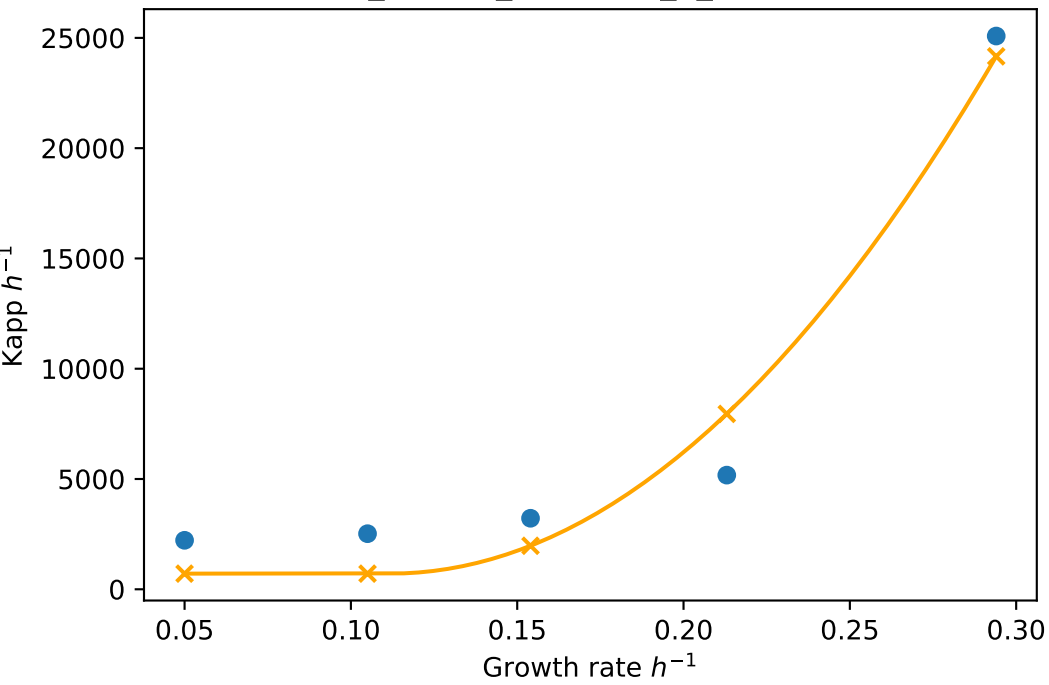
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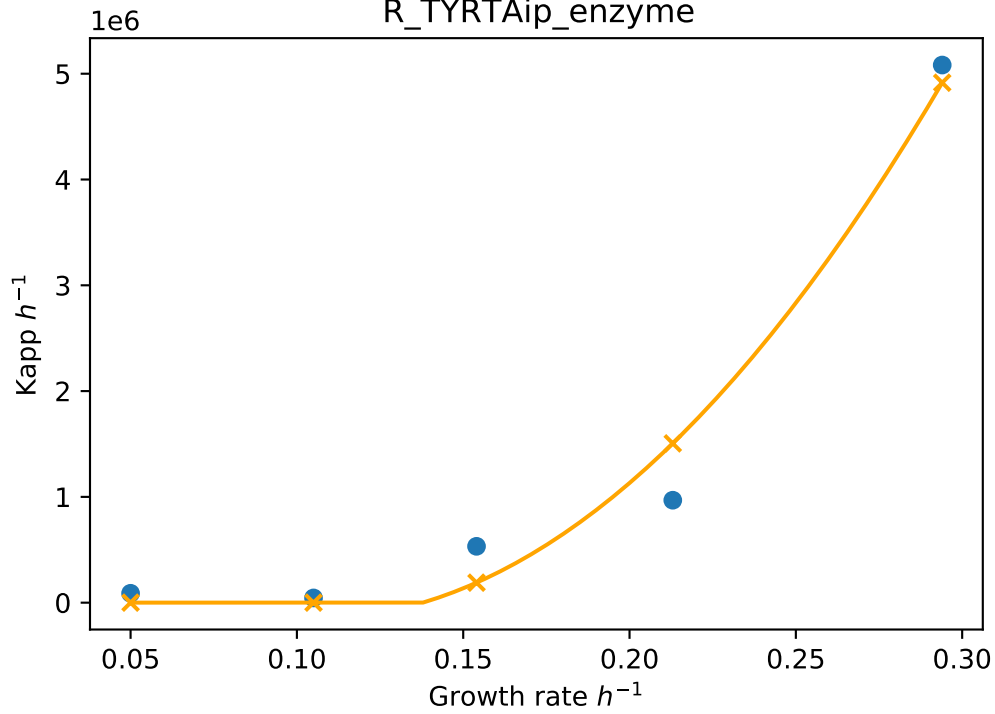
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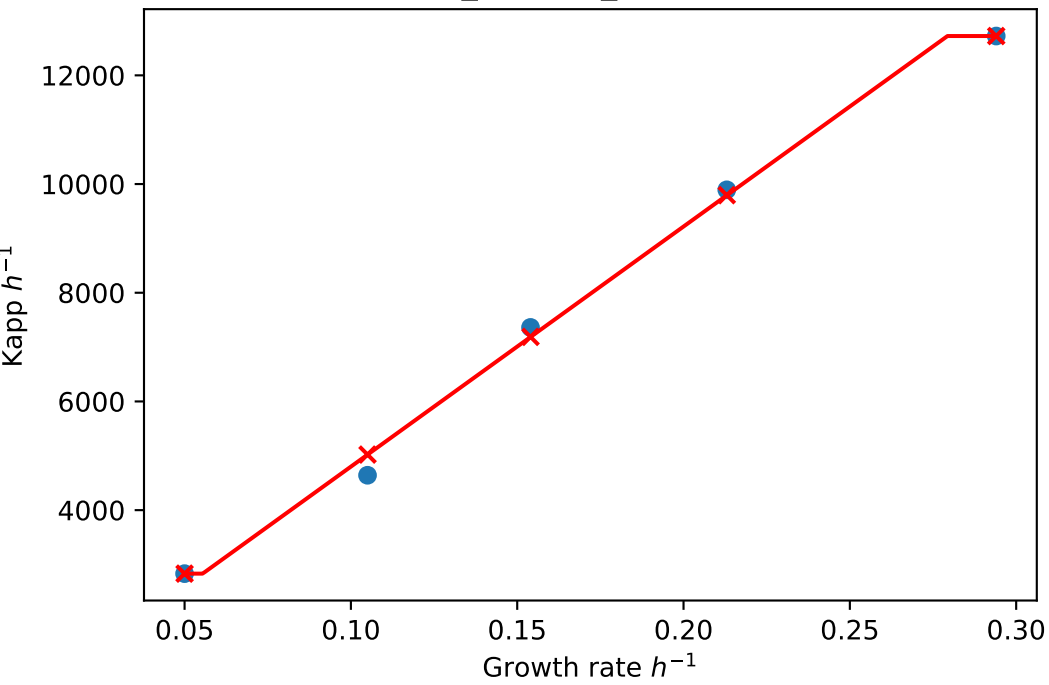
R_TYRTAi_duplicate_3_enzyme



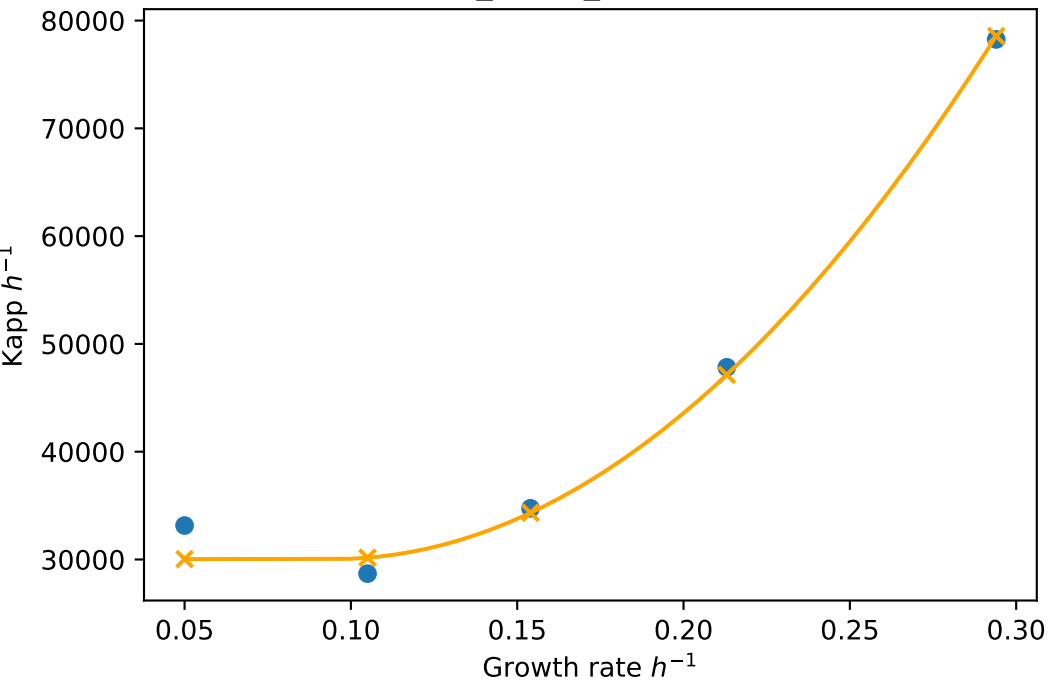
R_TYRTAip_enzyme



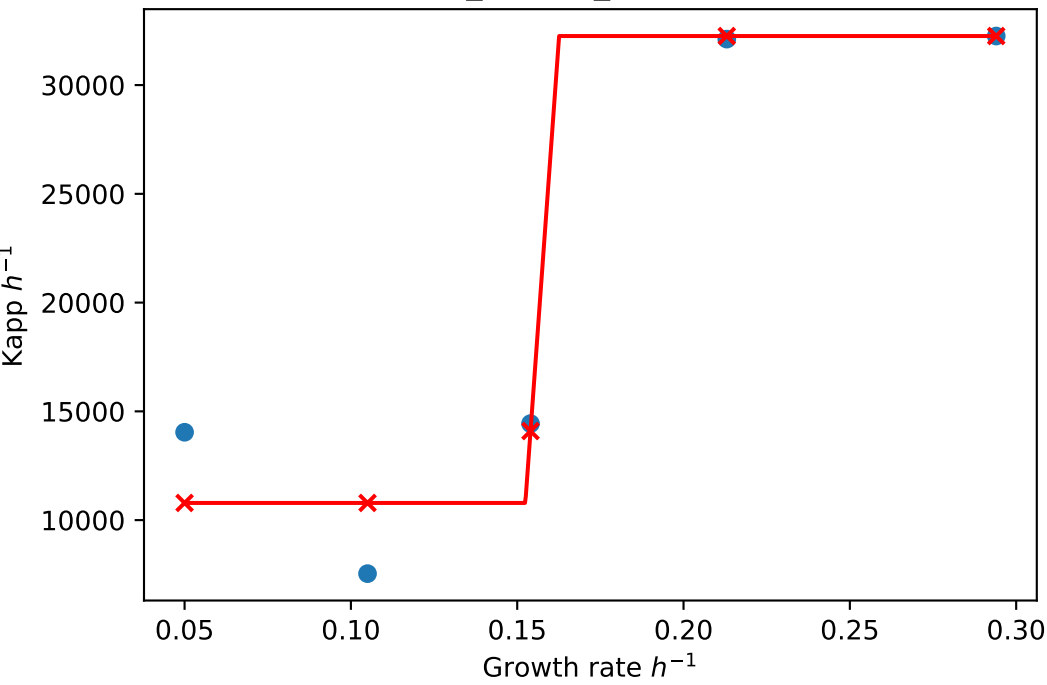
R_TYRTRS_enzyme



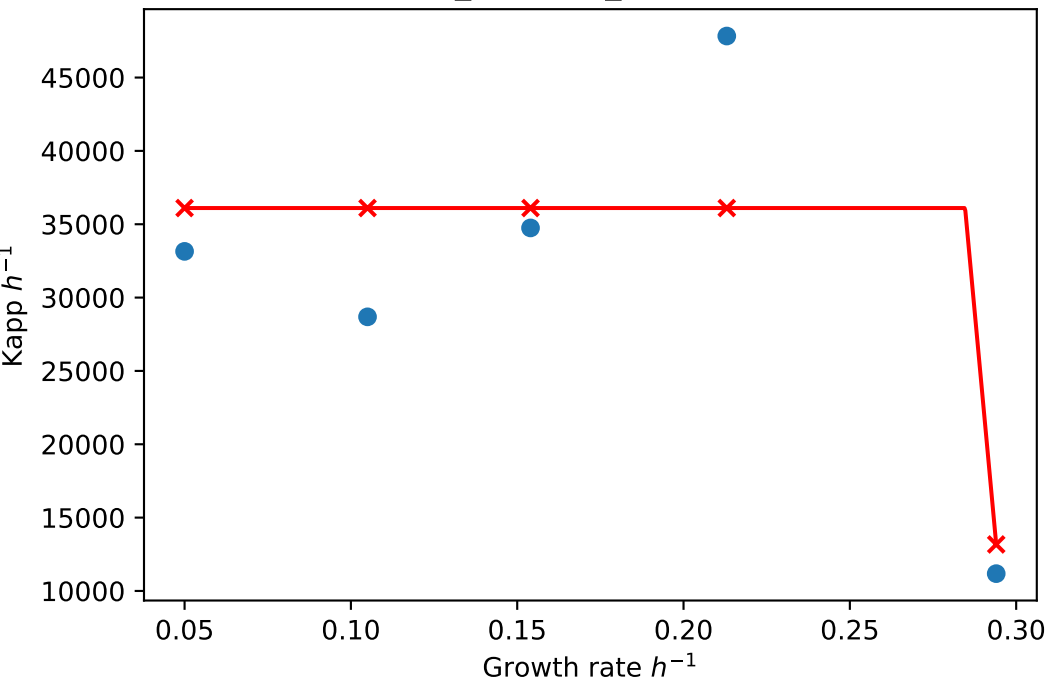
R_UMPK_enzyme



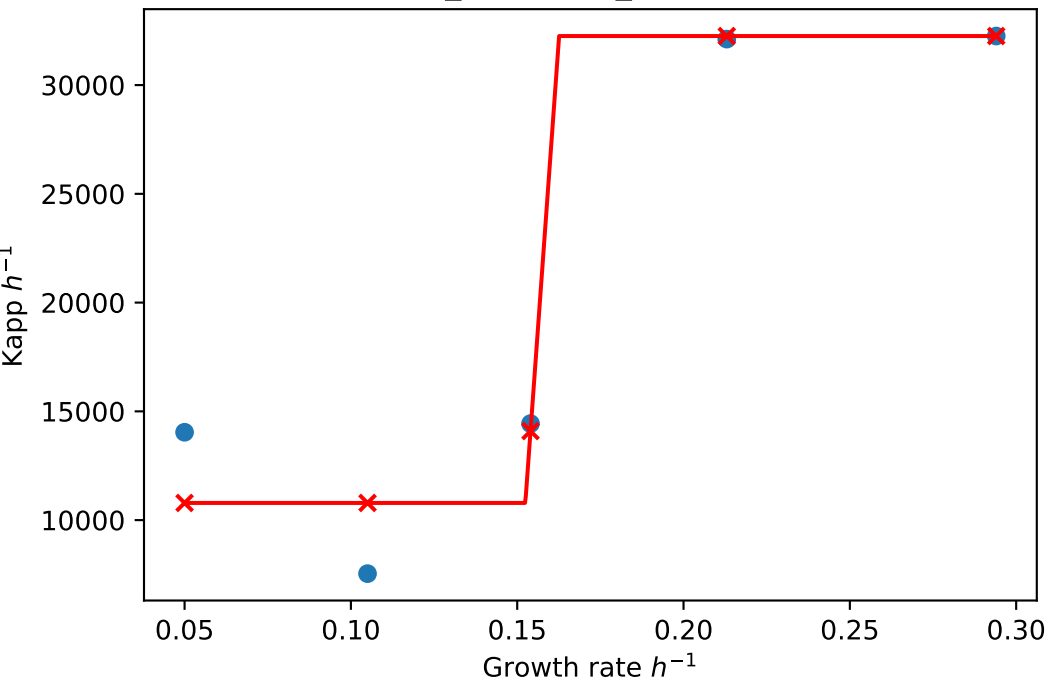
R_UMPKn_enzyme



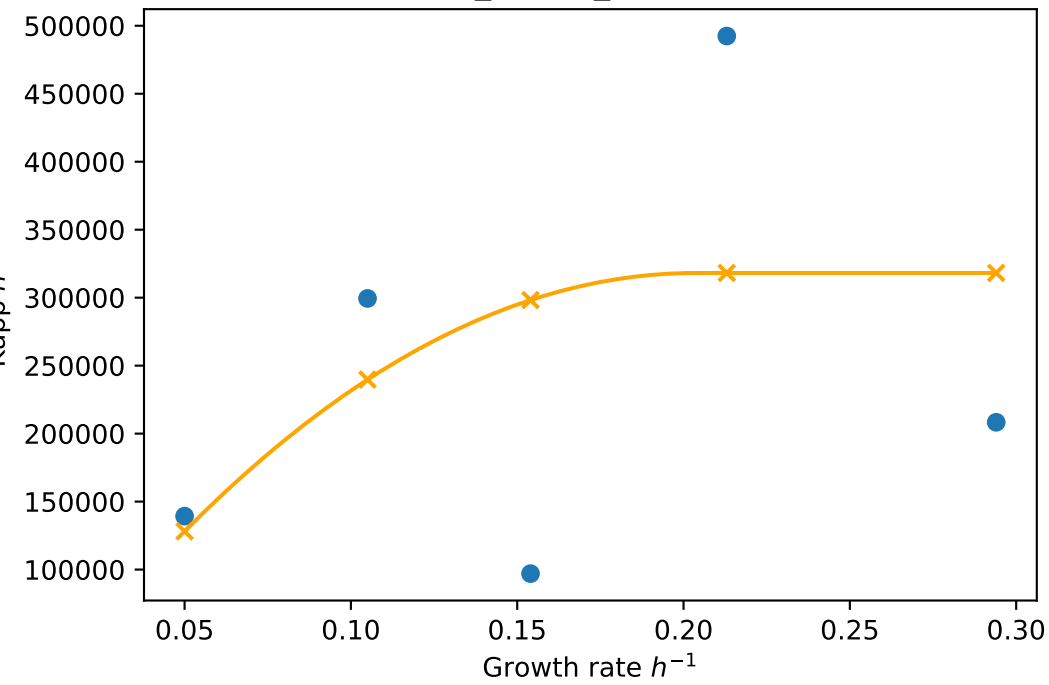
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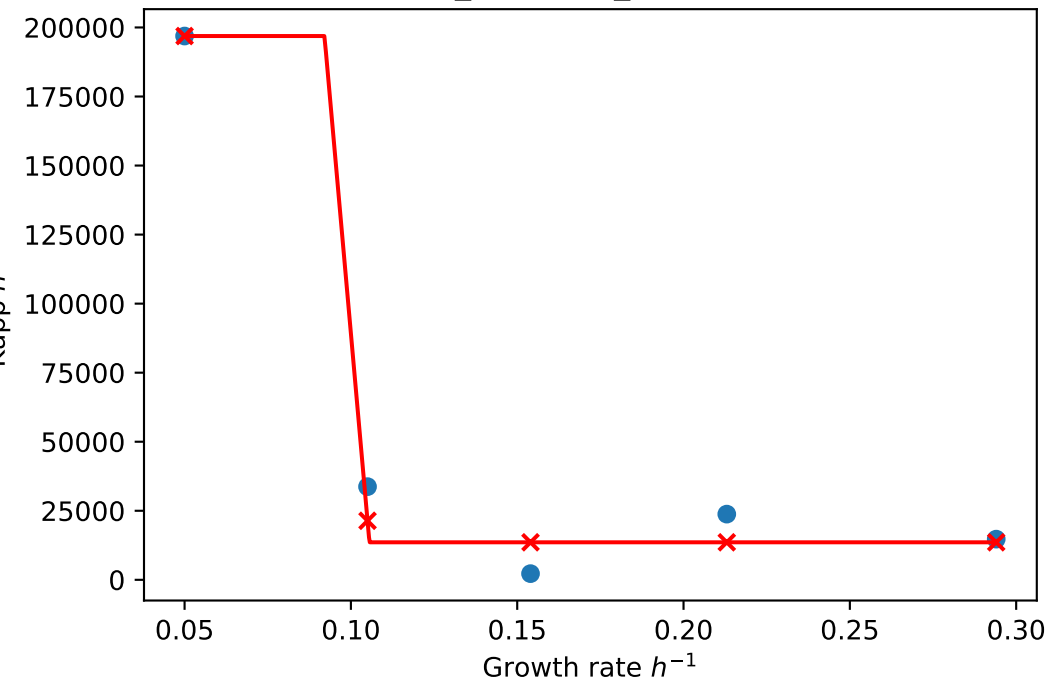
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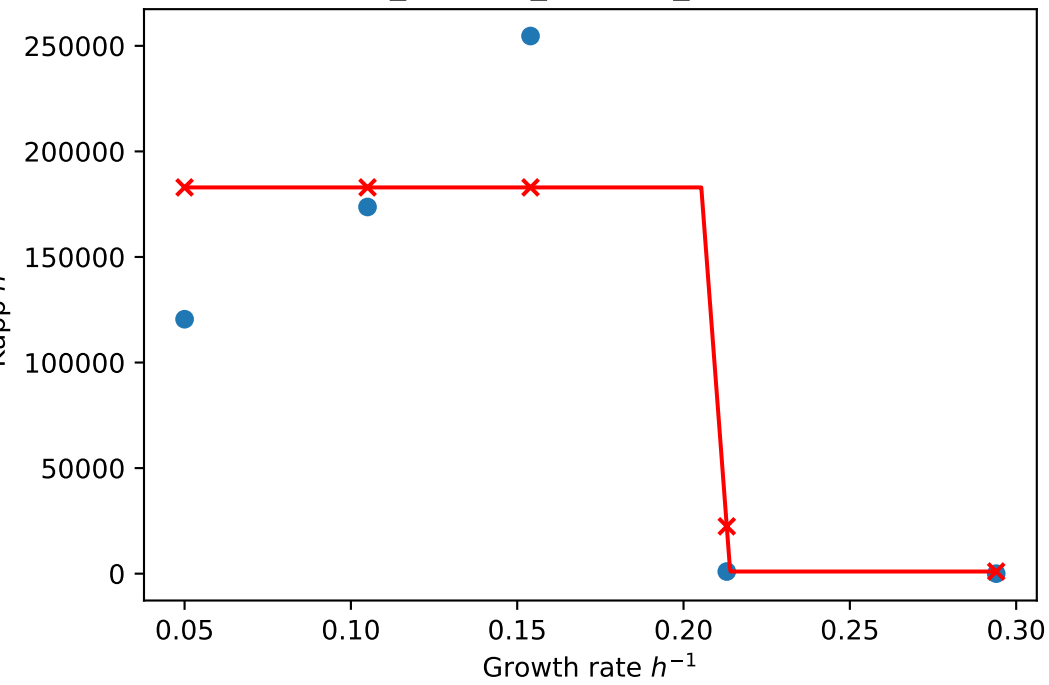
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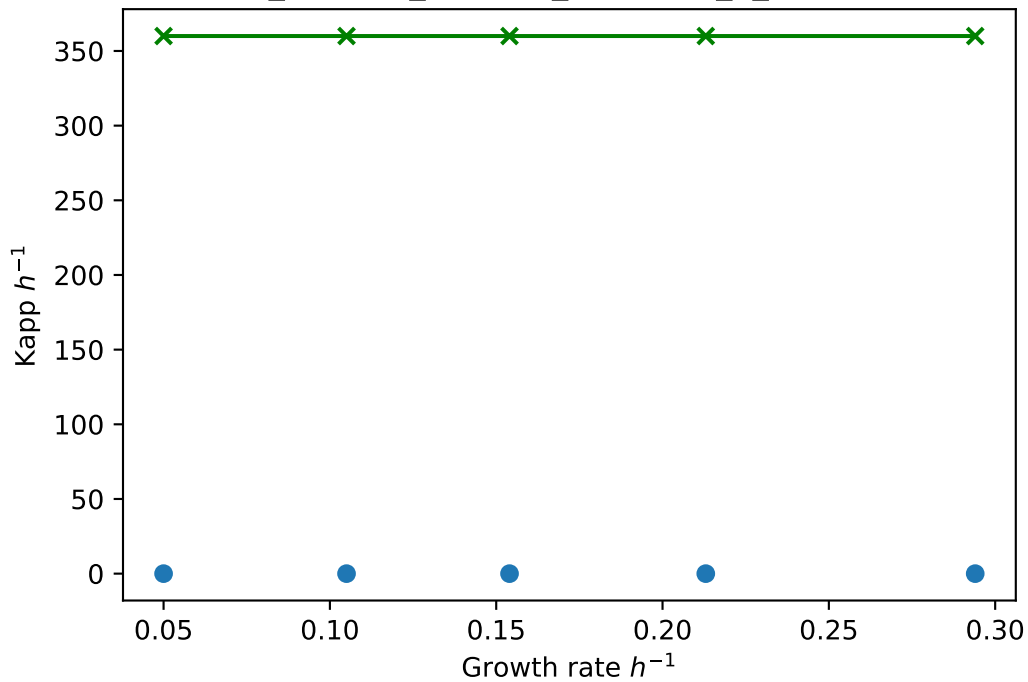
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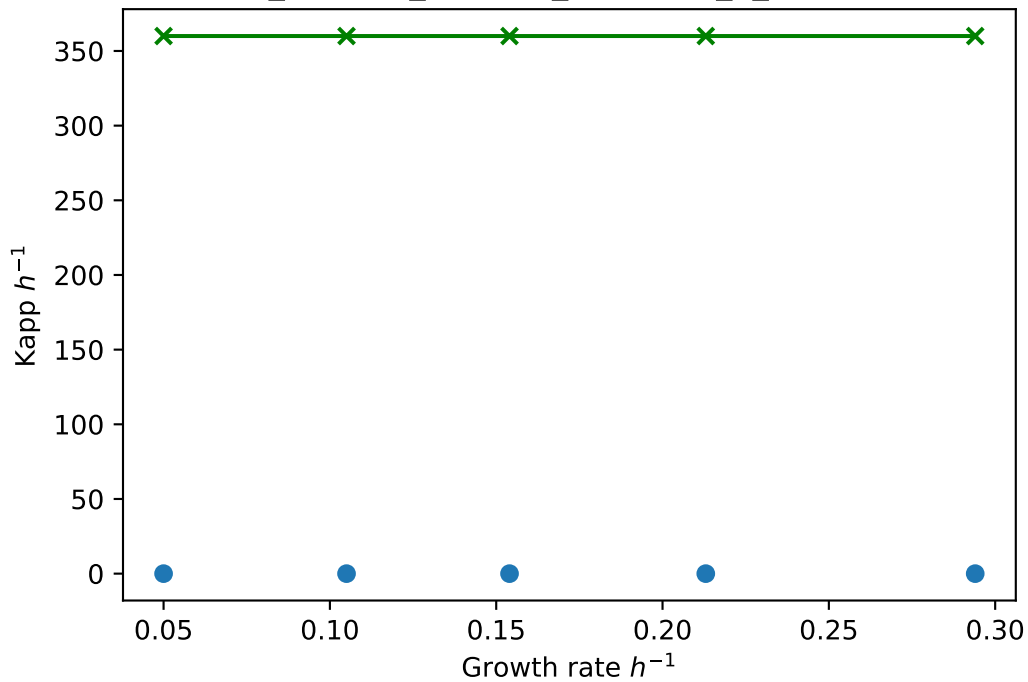
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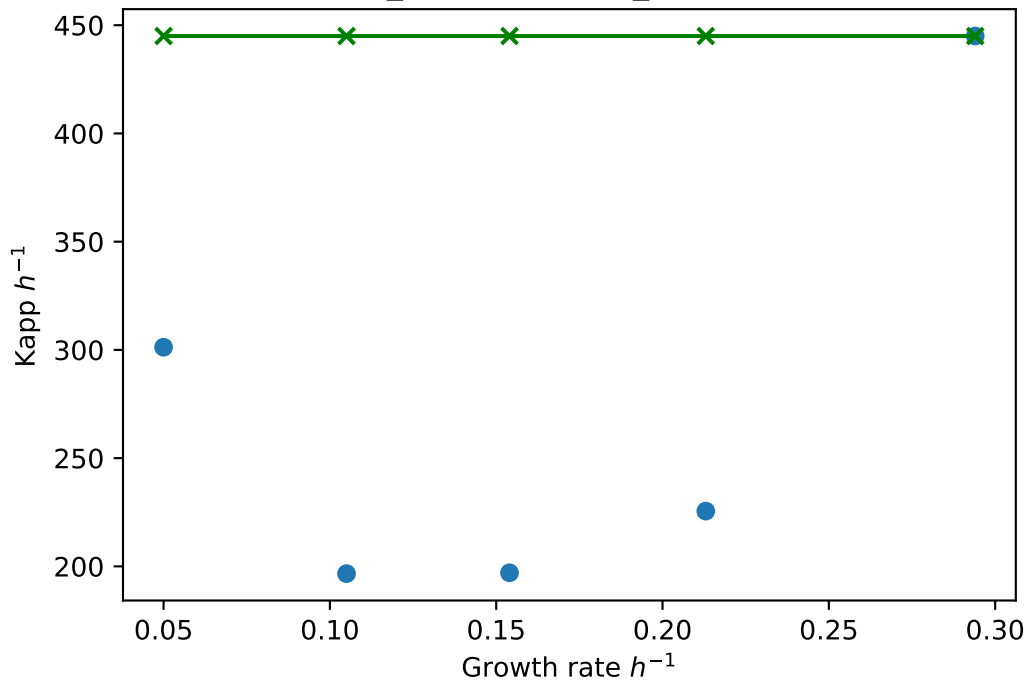
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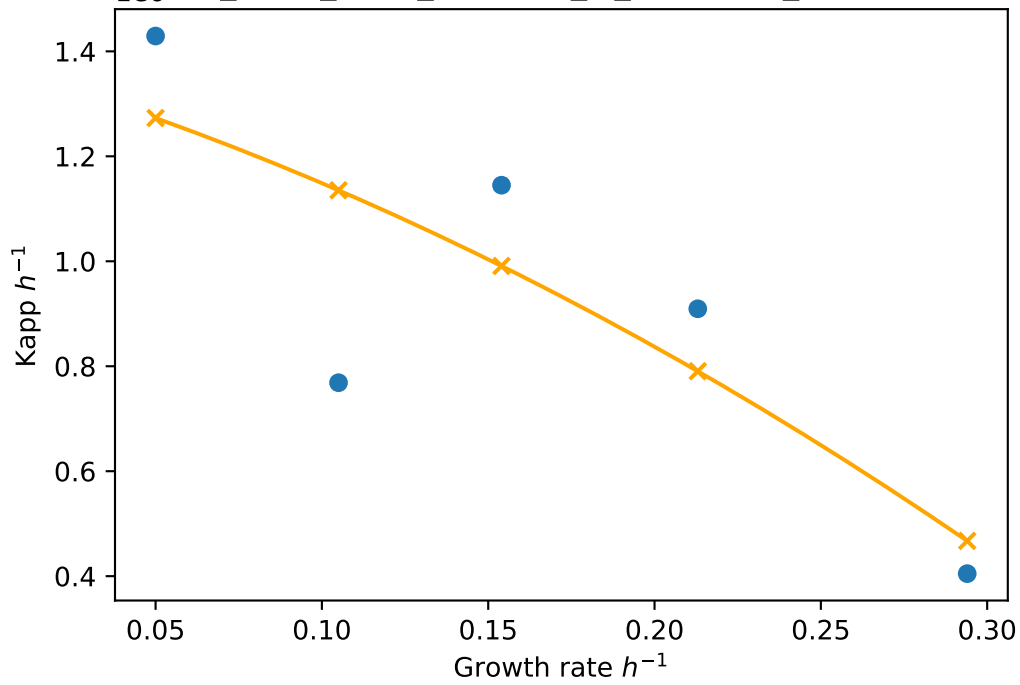
R_dATPtm_HAdded_duplicate_3_enzyme



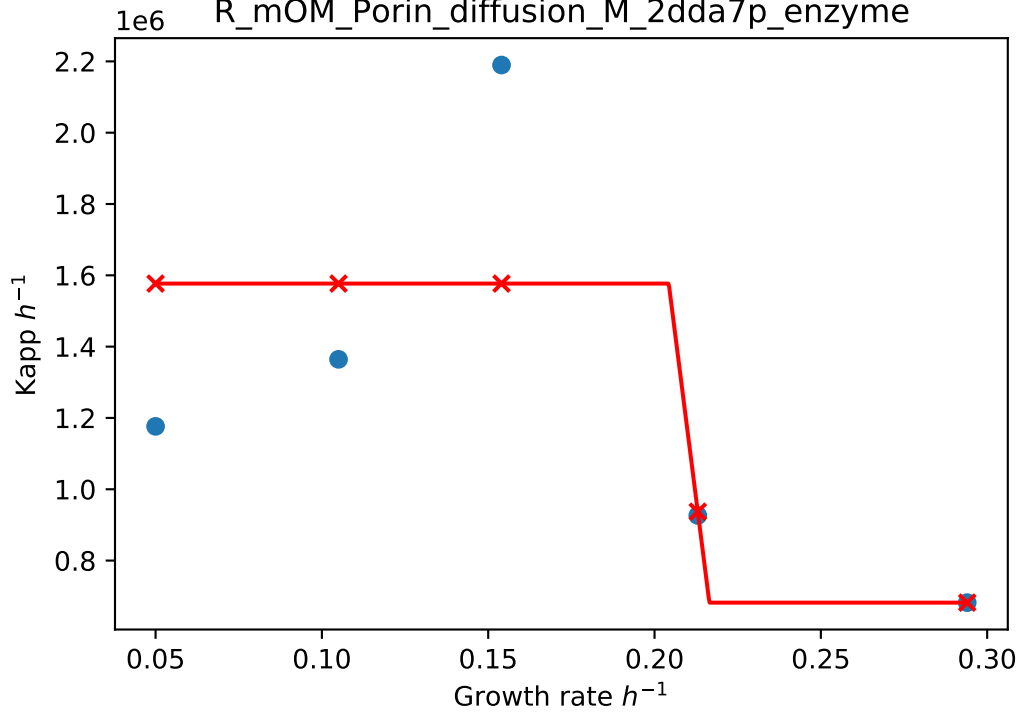
R_dGTPtmAdded_enzyme



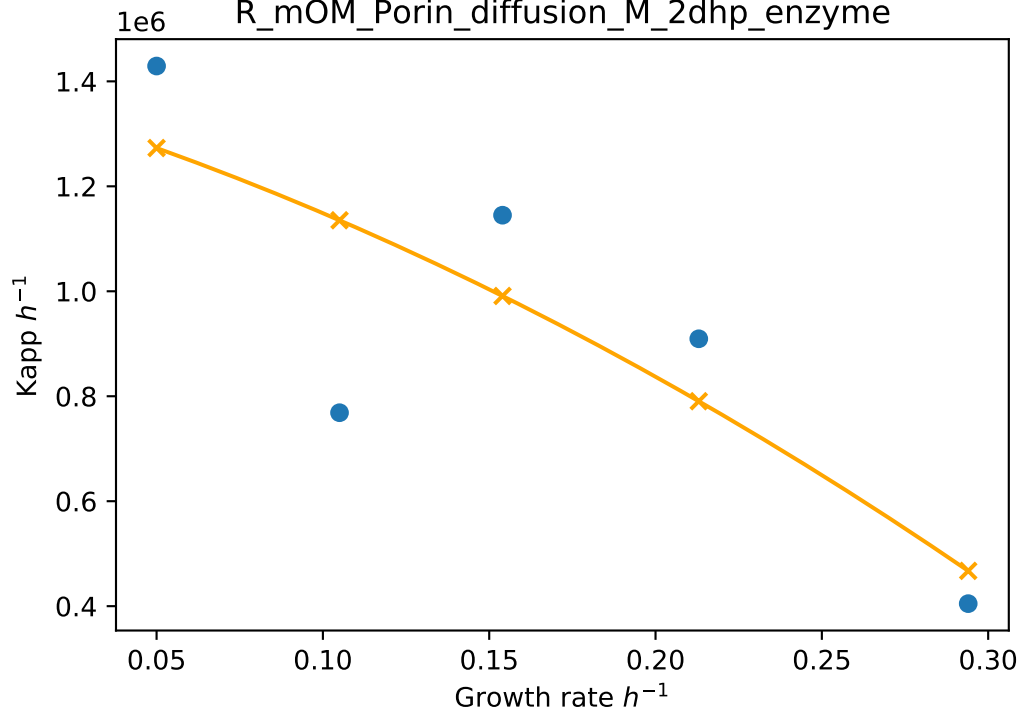
1e6 R_mOM_Porin_diffusion_M_13dampp_enzyme



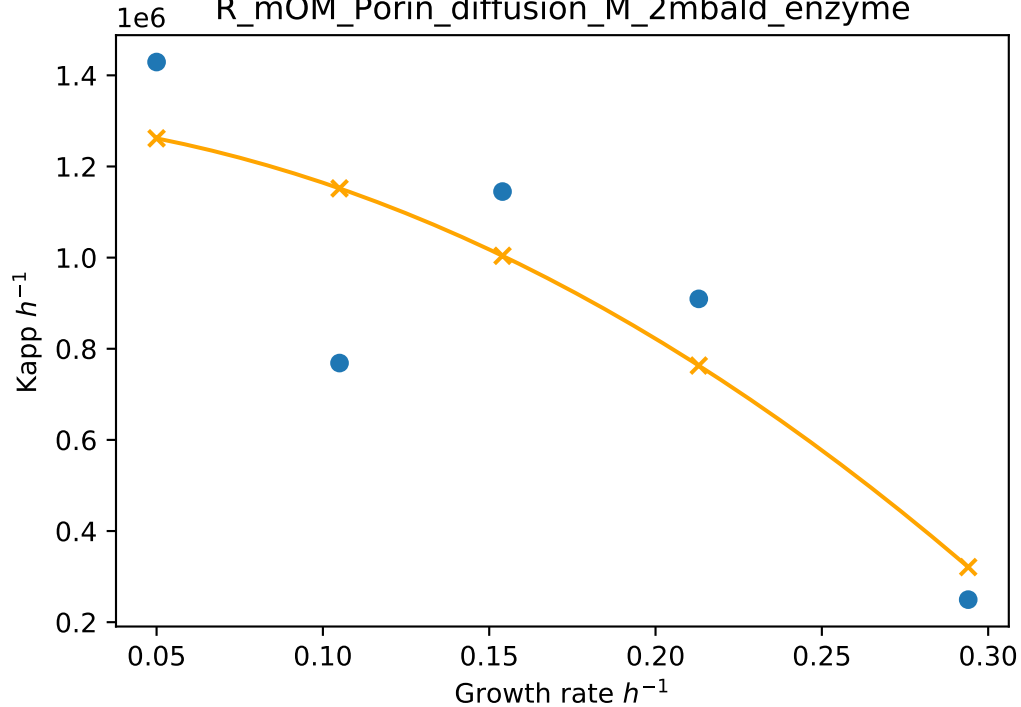
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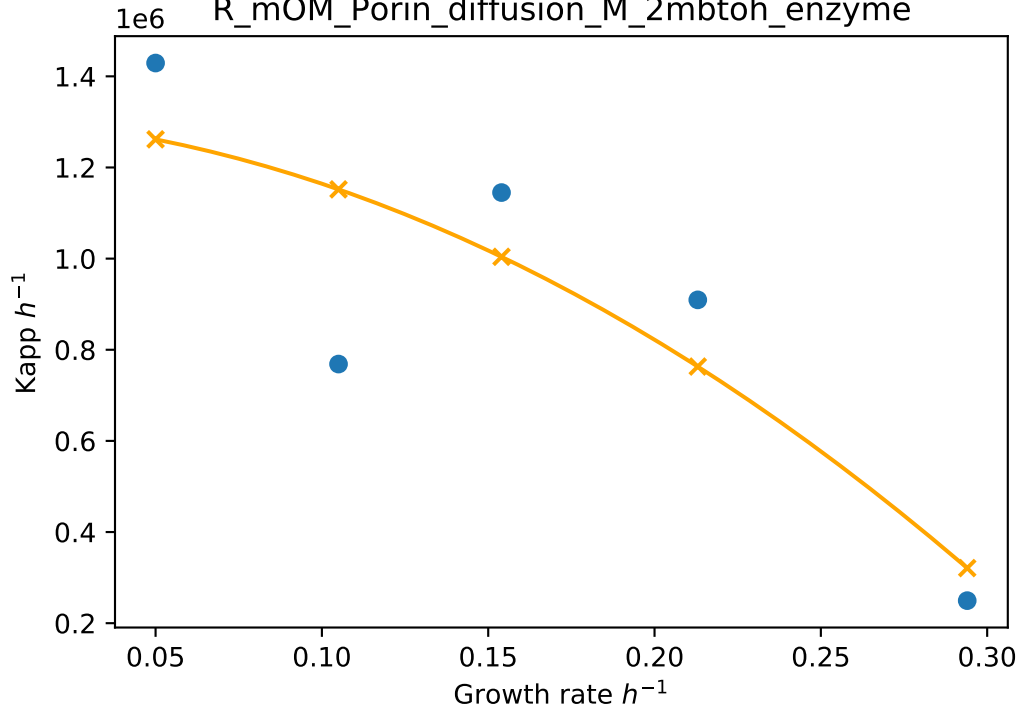
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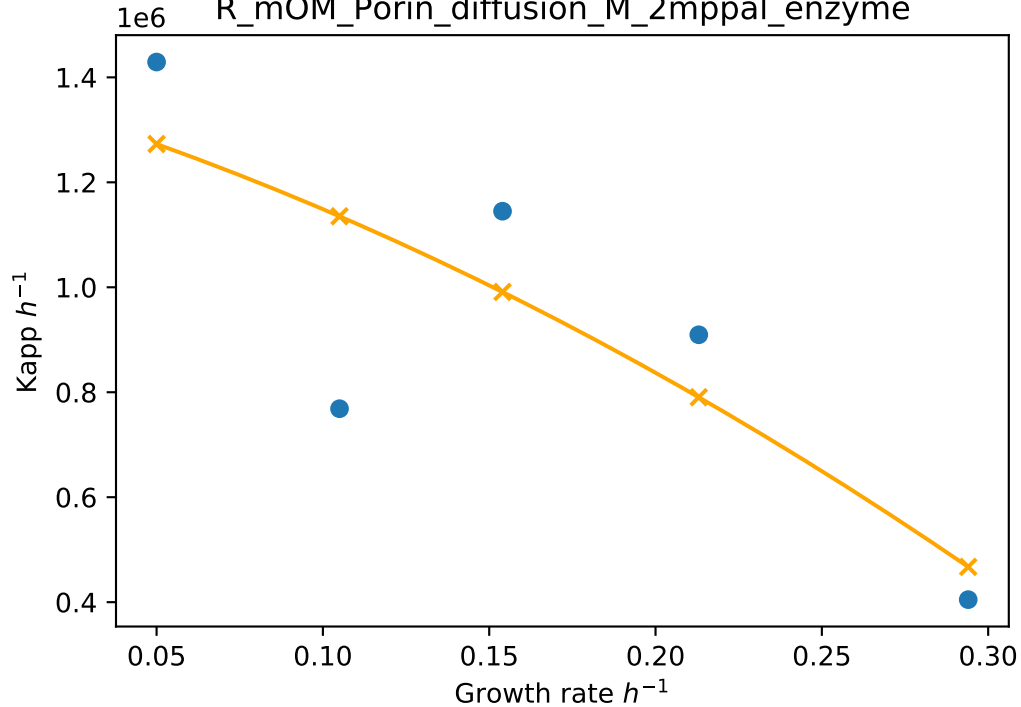
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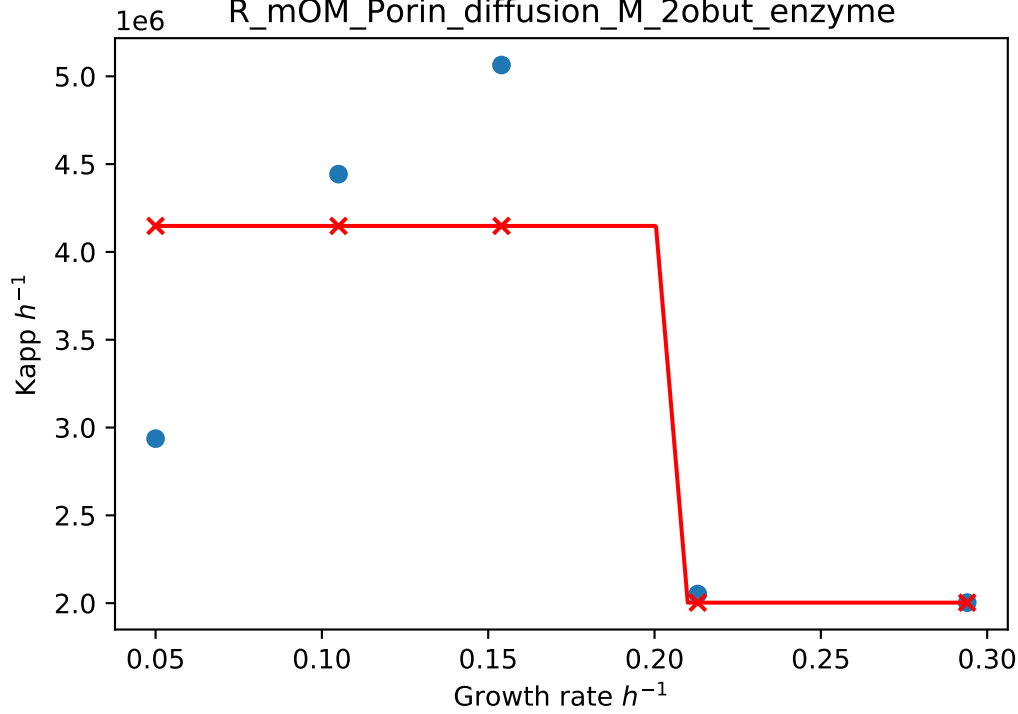
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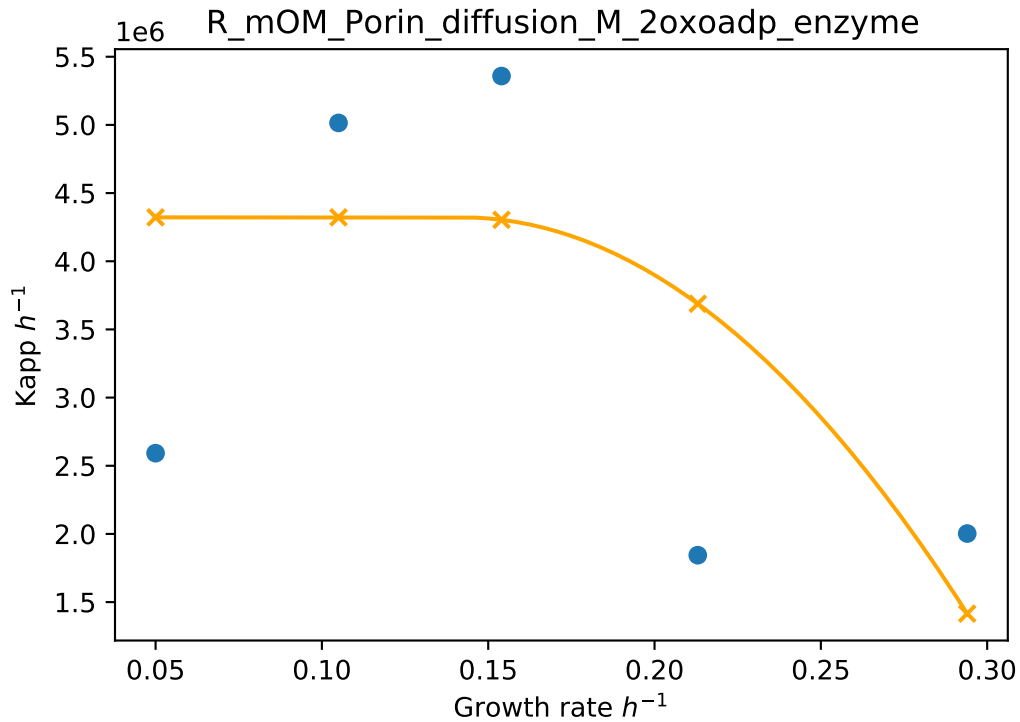


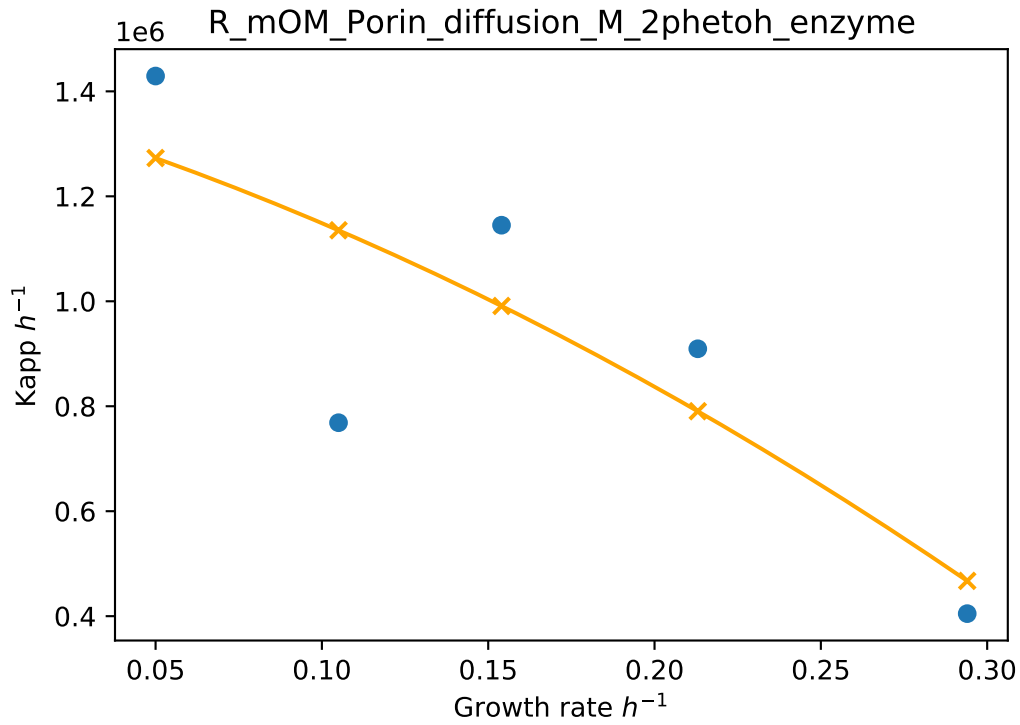
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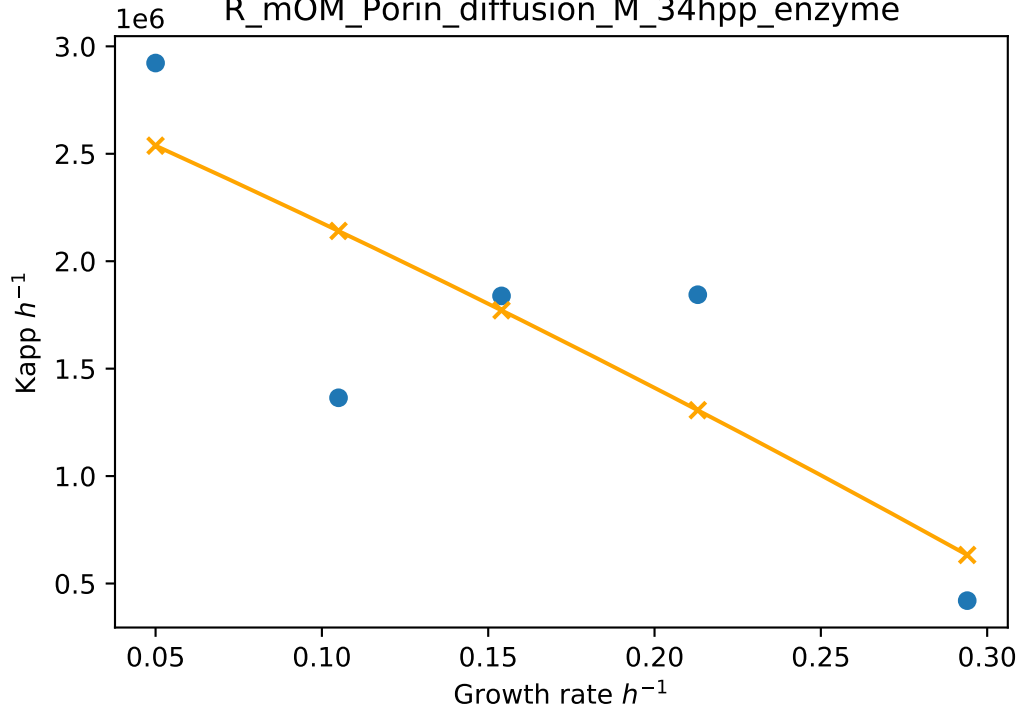
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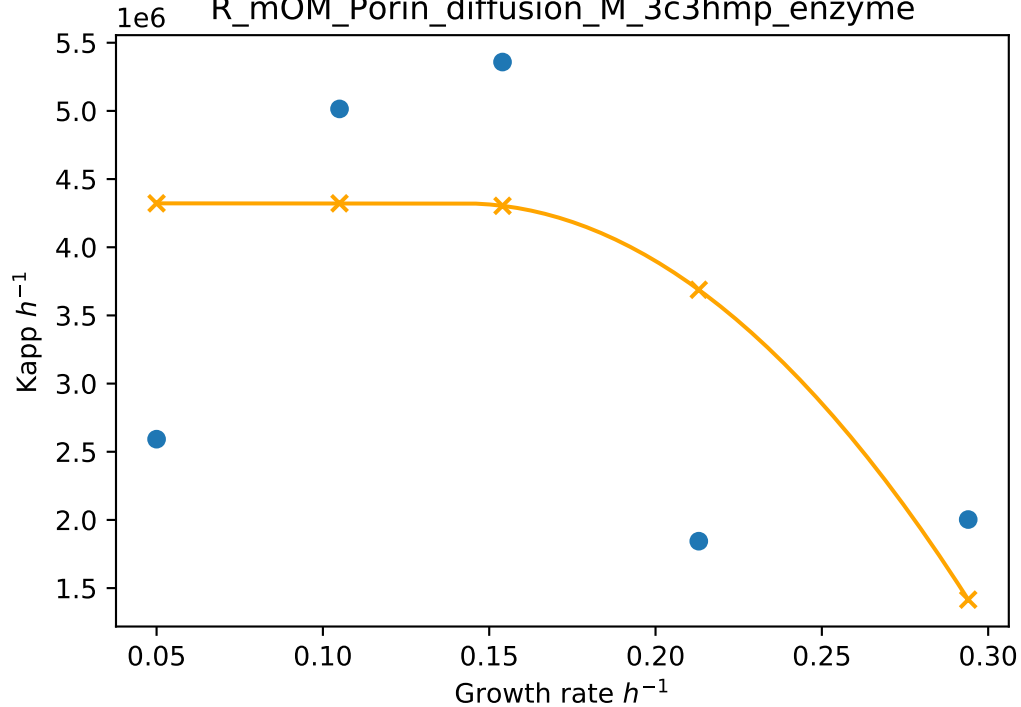




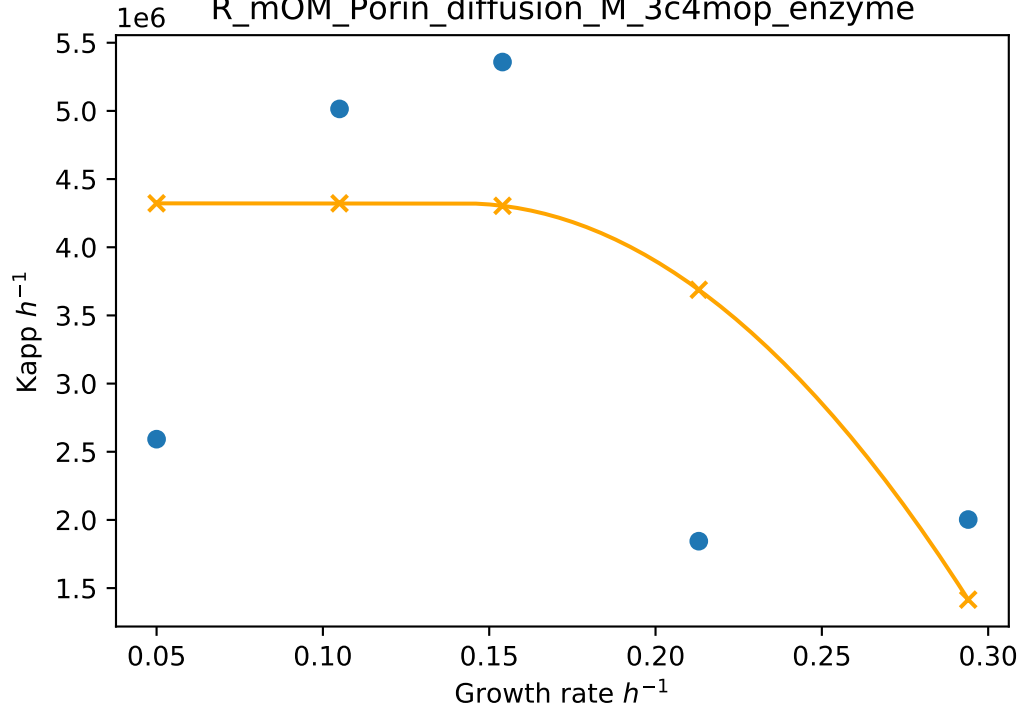
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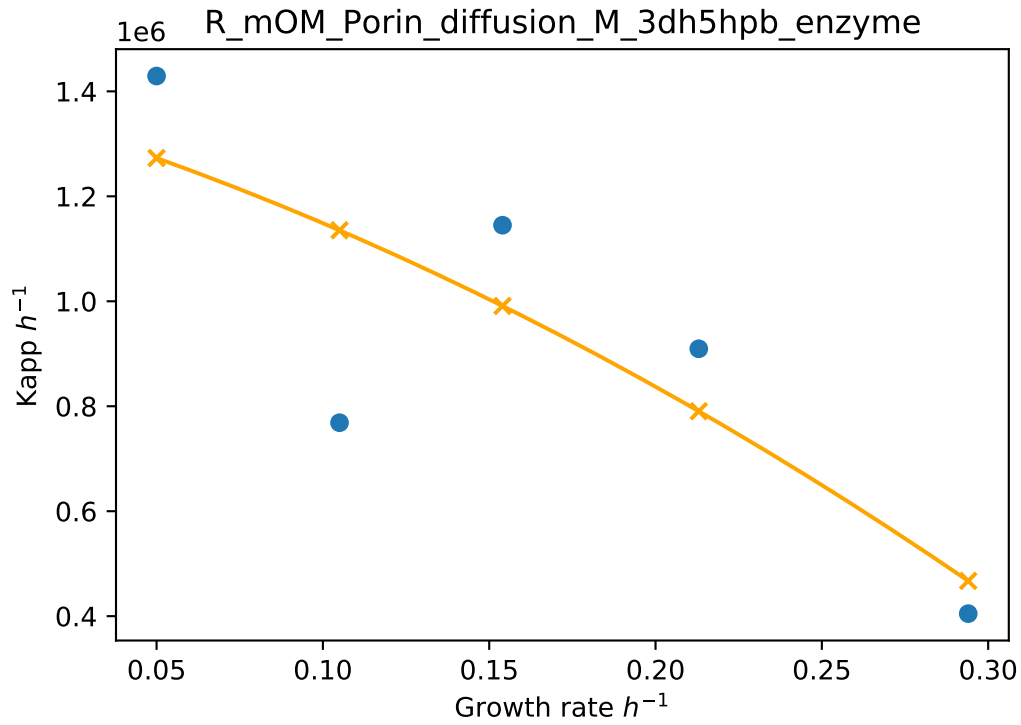


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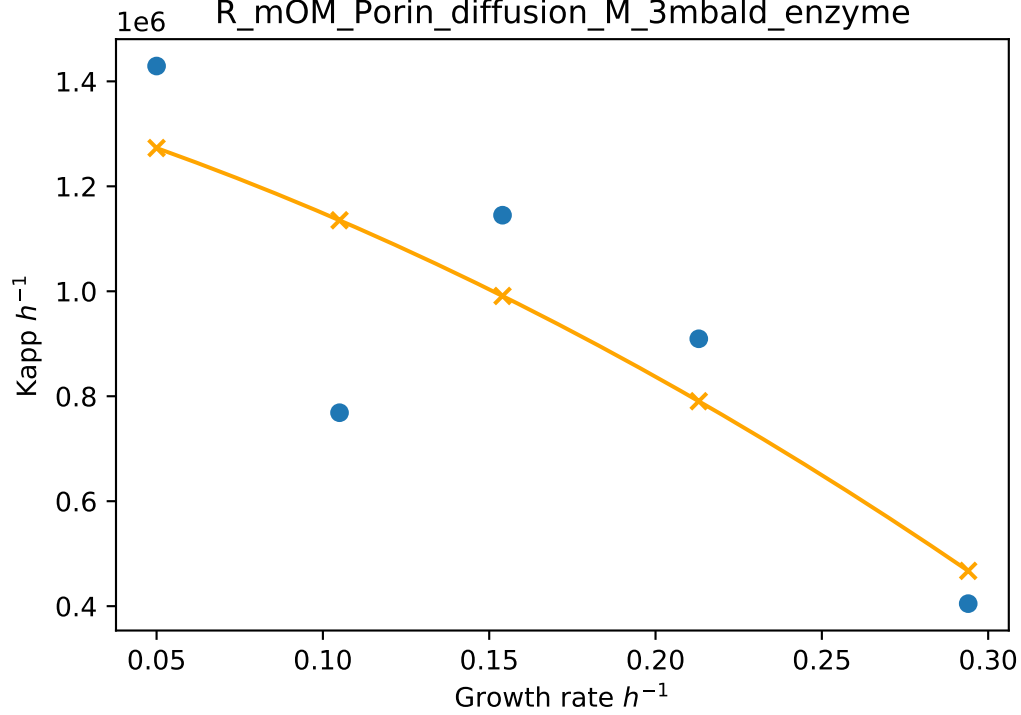


R_mOM_Porin_diffusion_M_3c4mop_enzyme

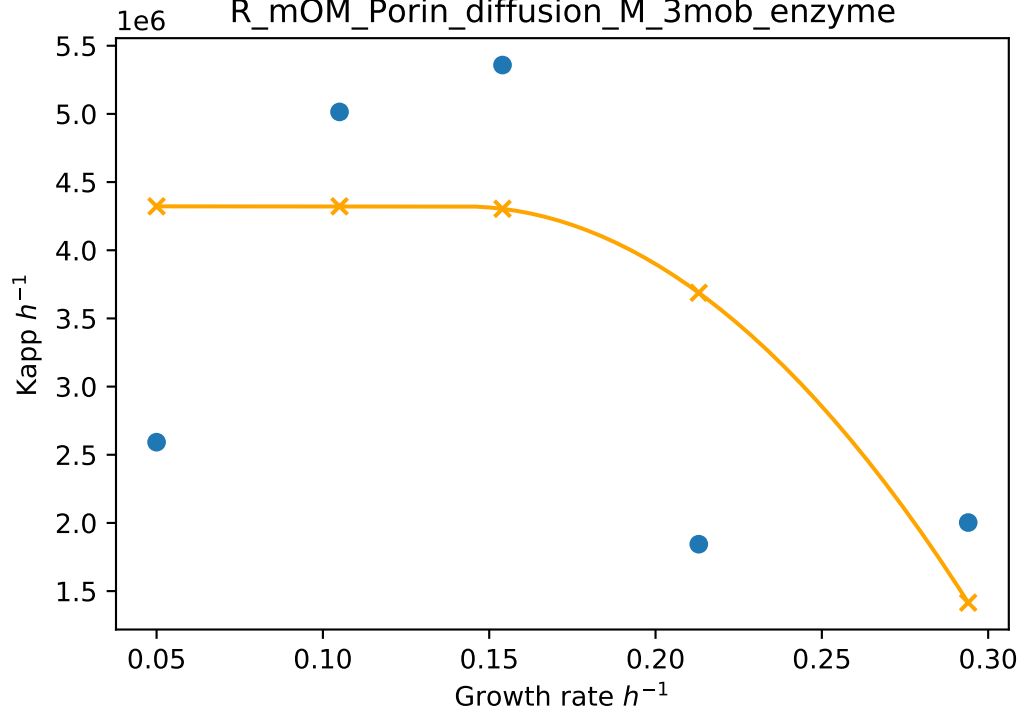




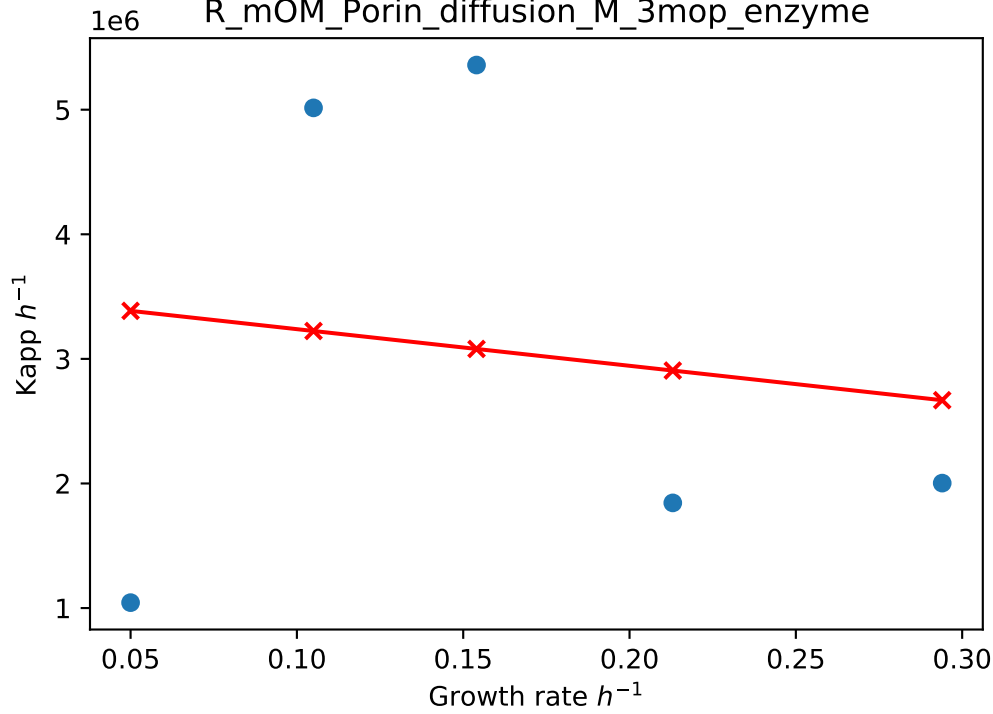
R_mOM_Porin_diffusion_M_3mbald_enzyme

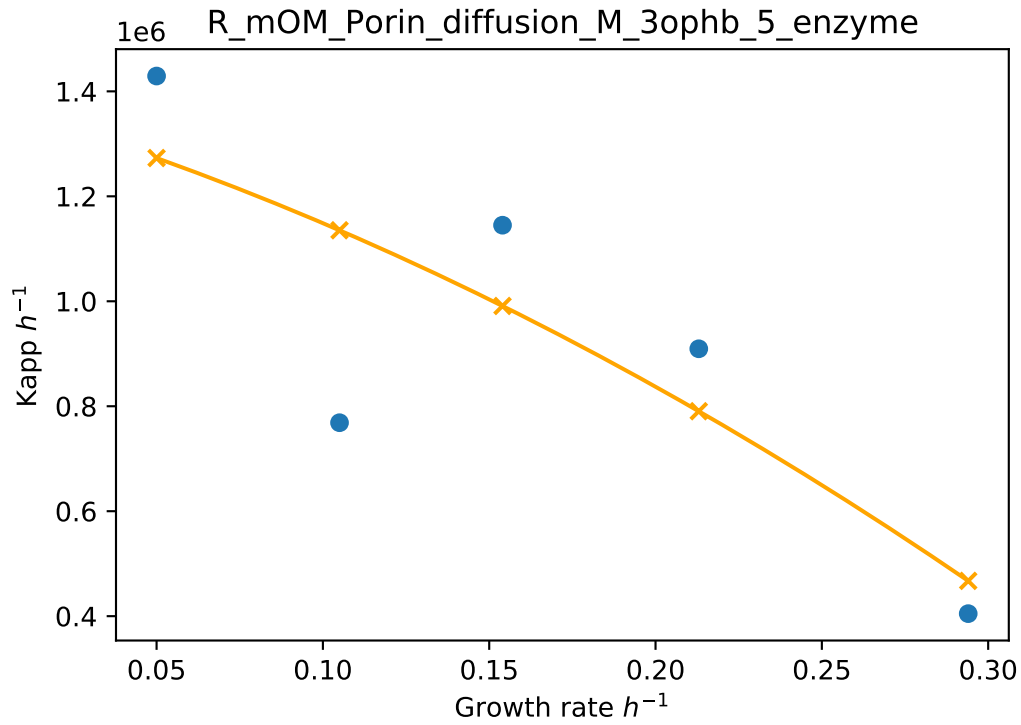


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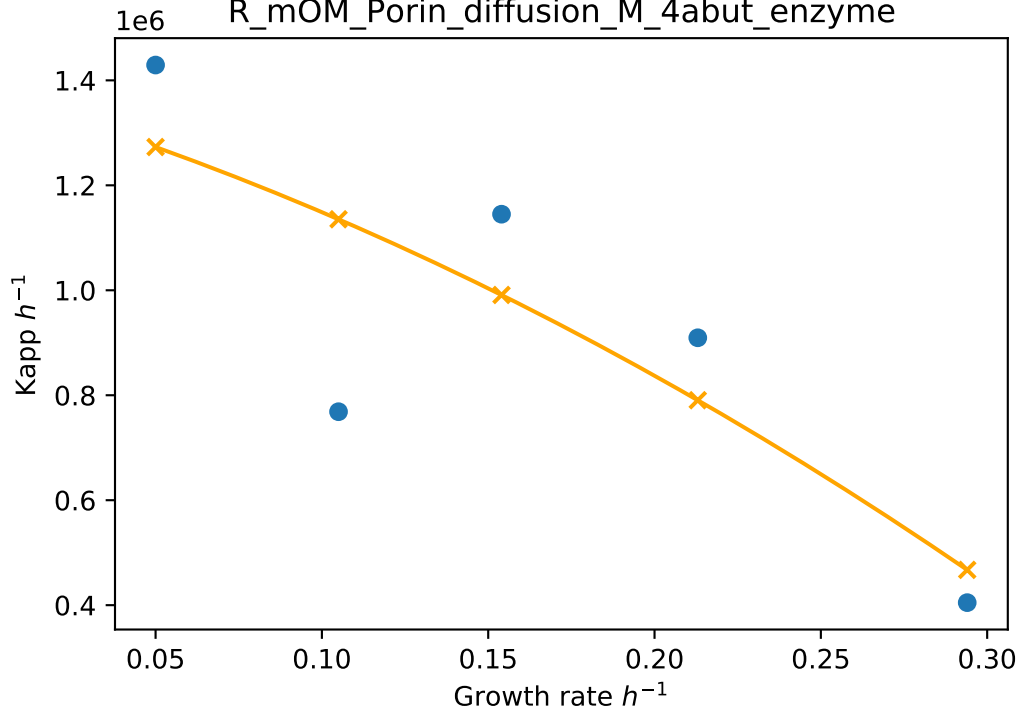


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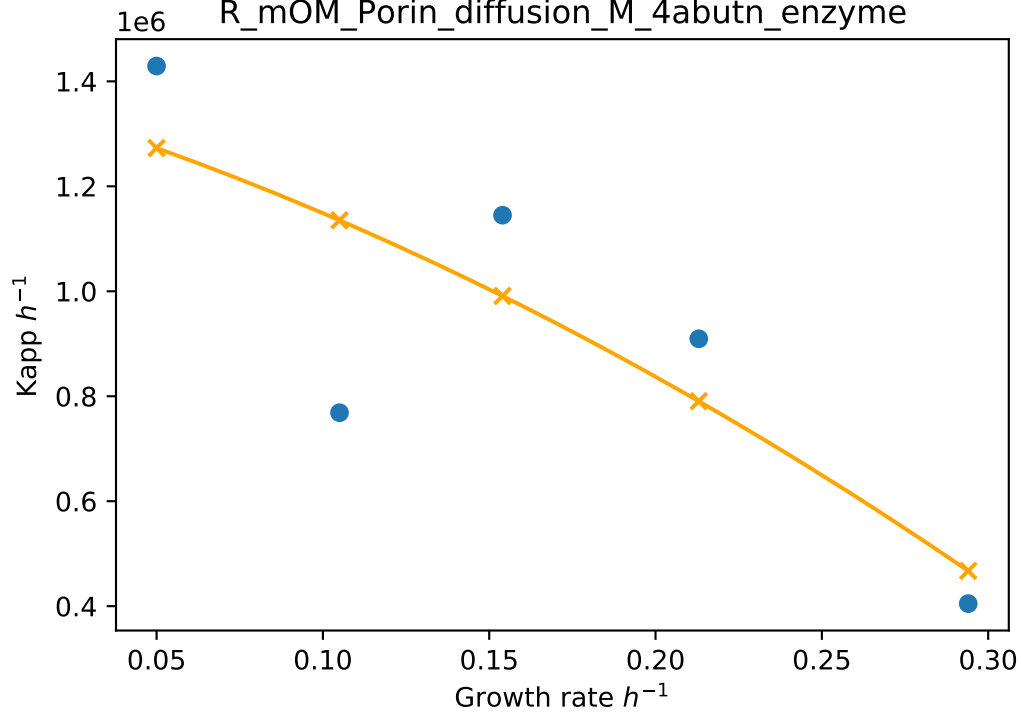




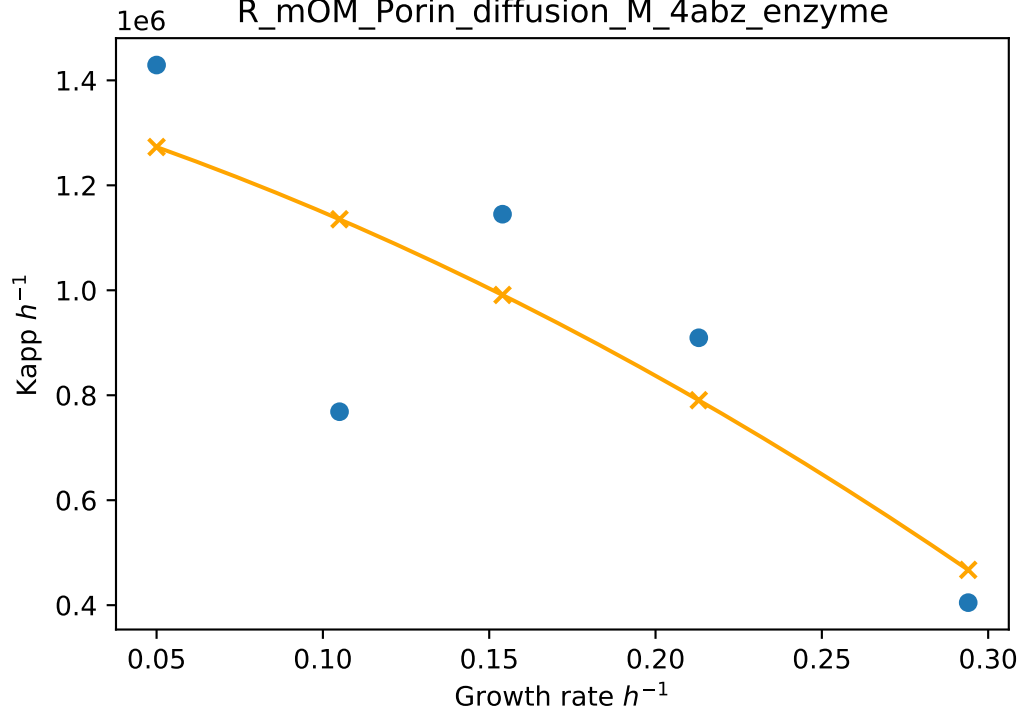
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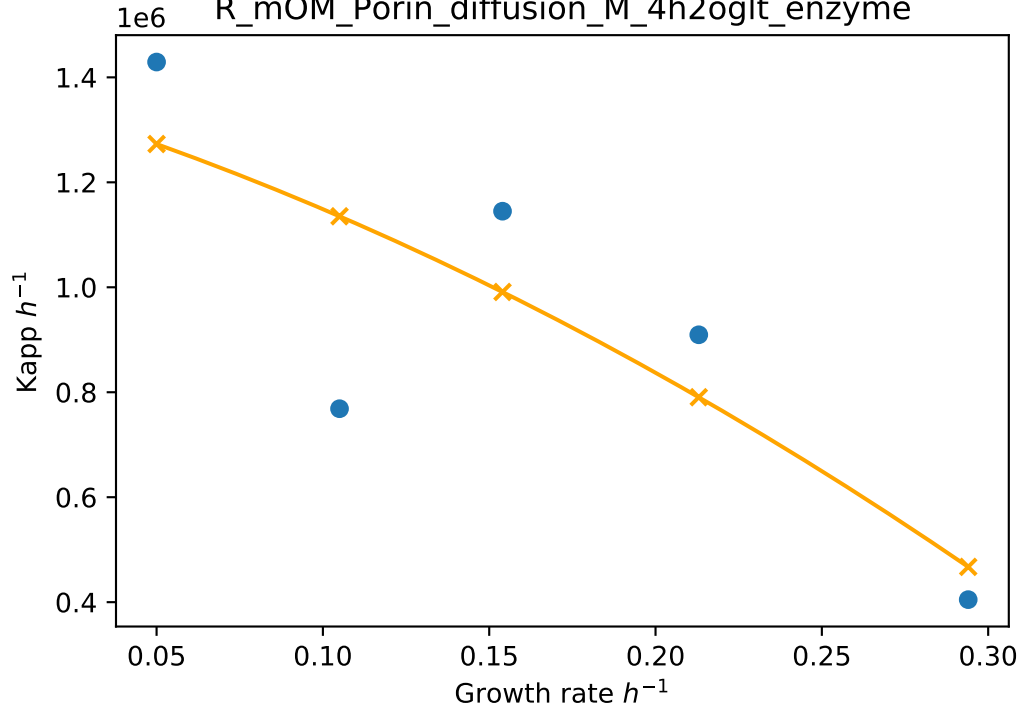
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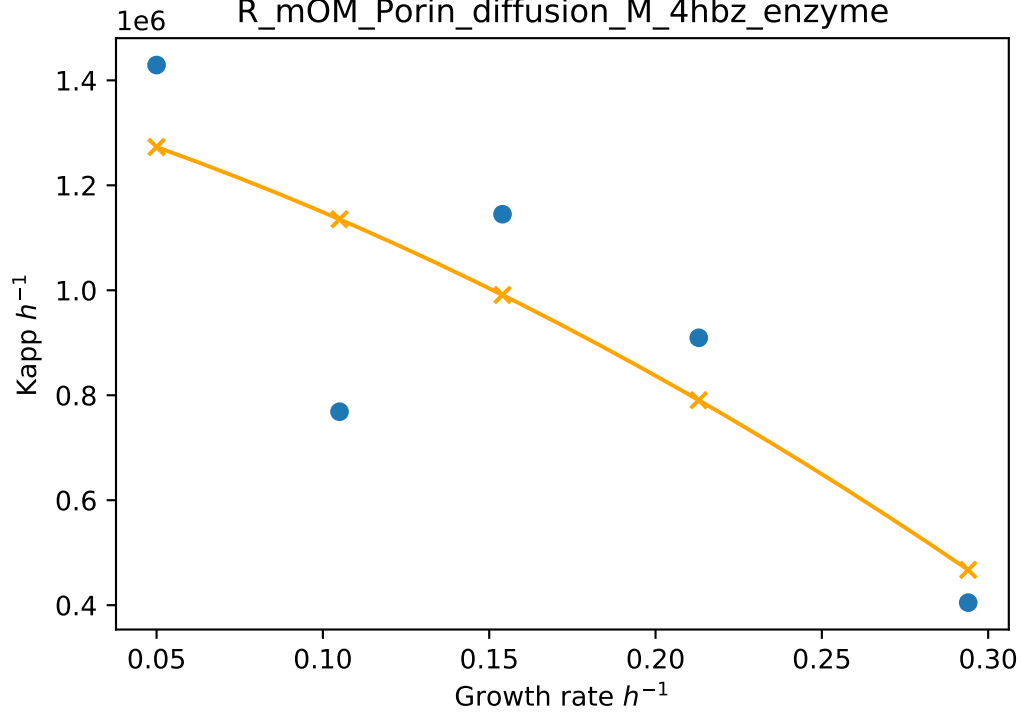
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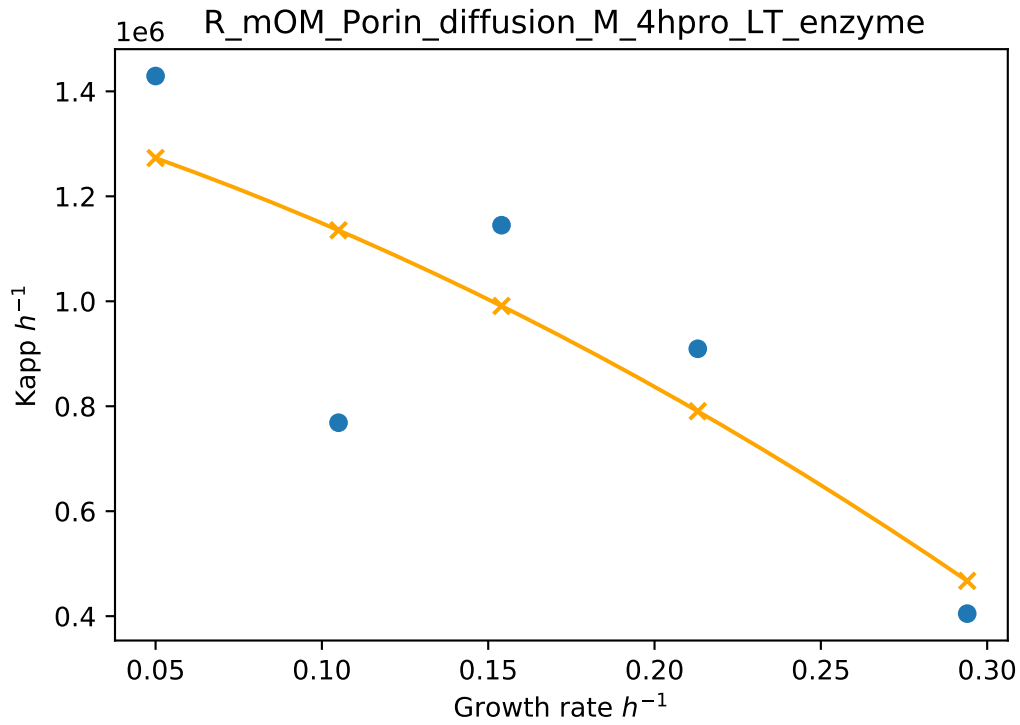


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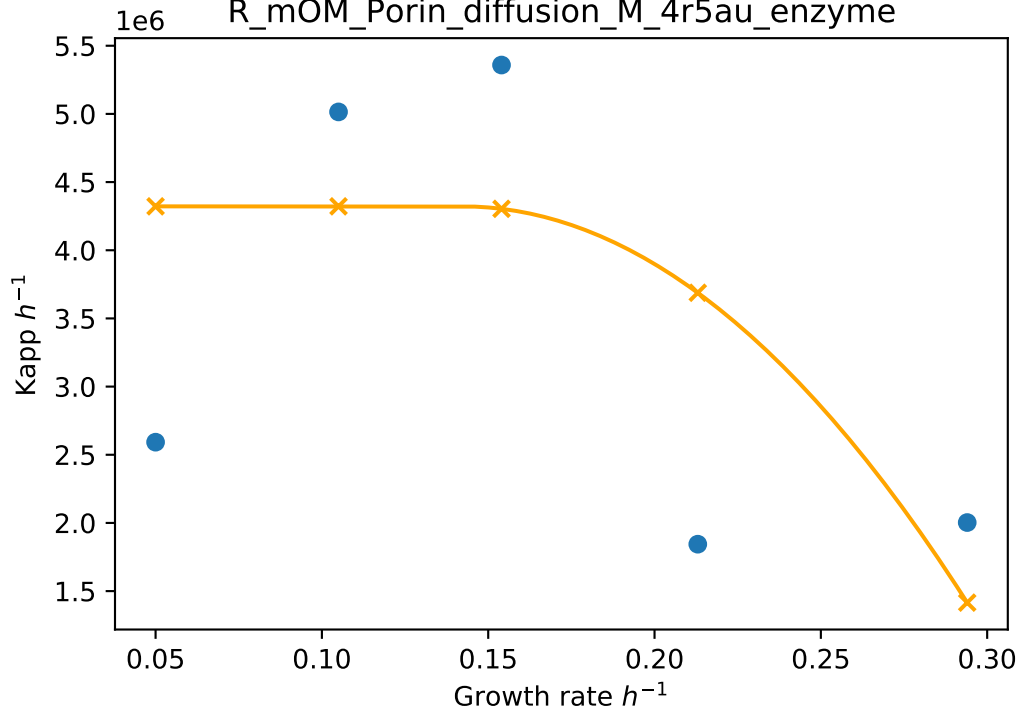


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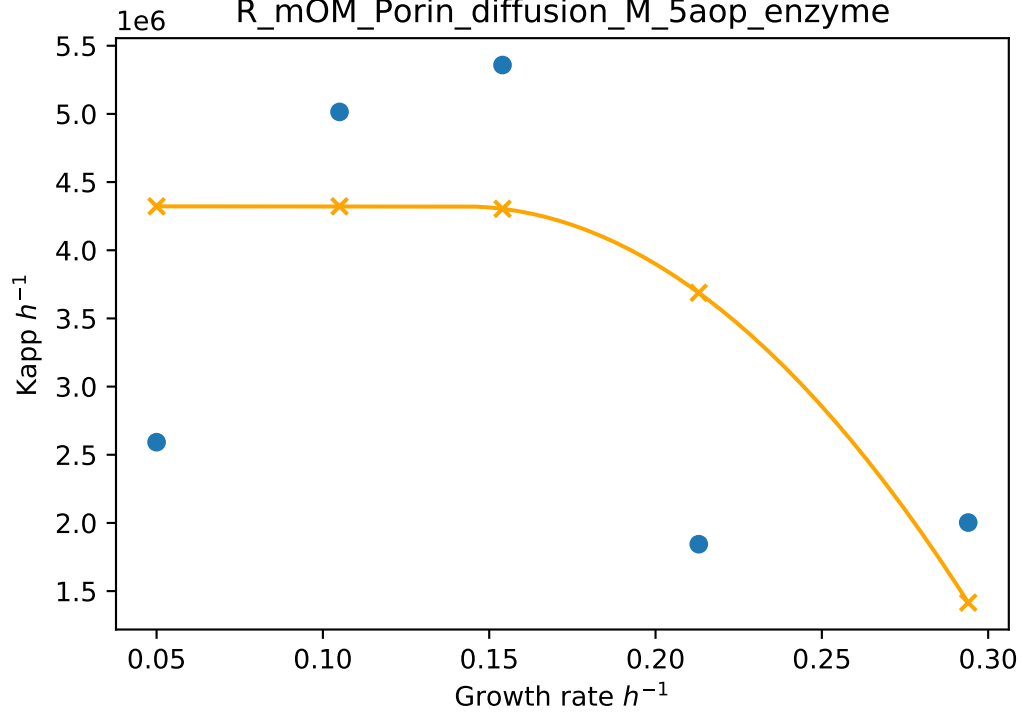




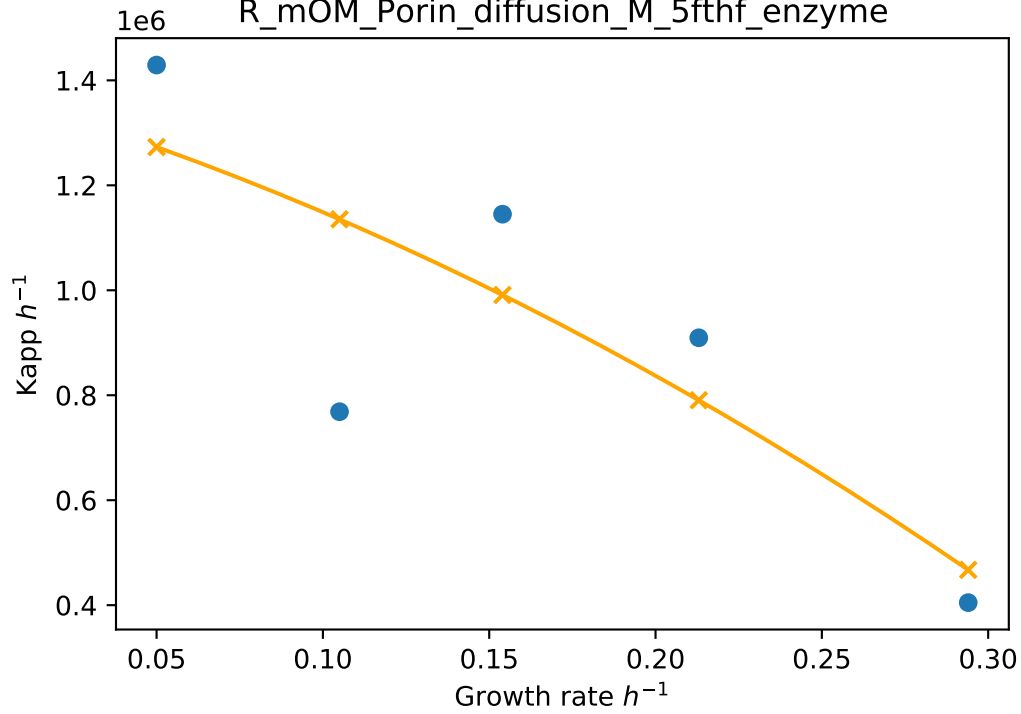
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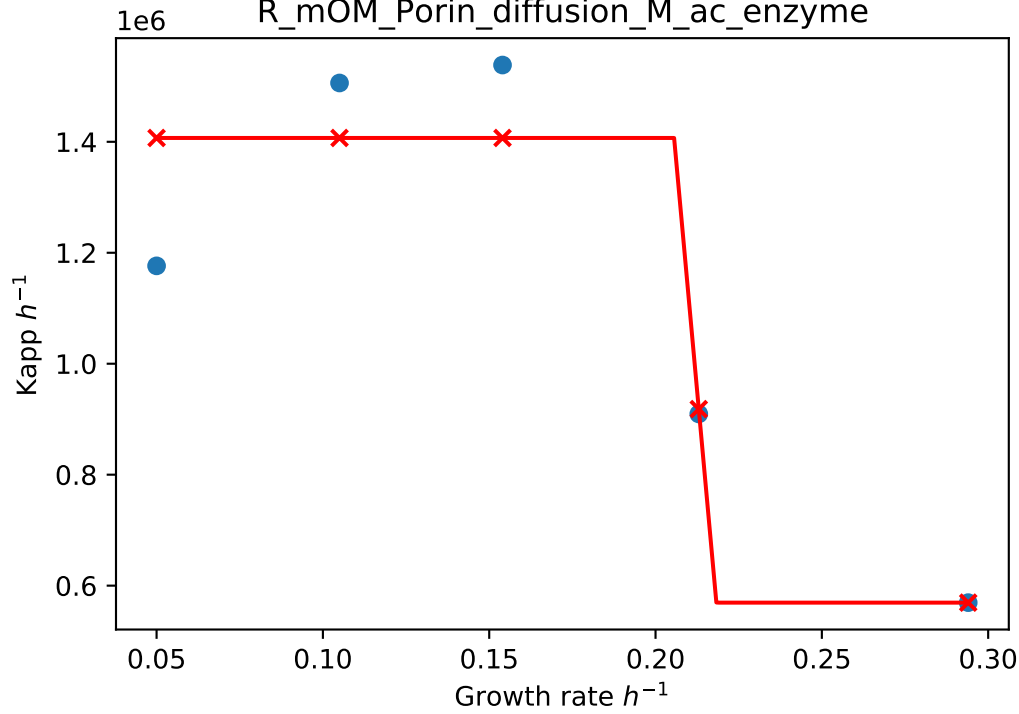
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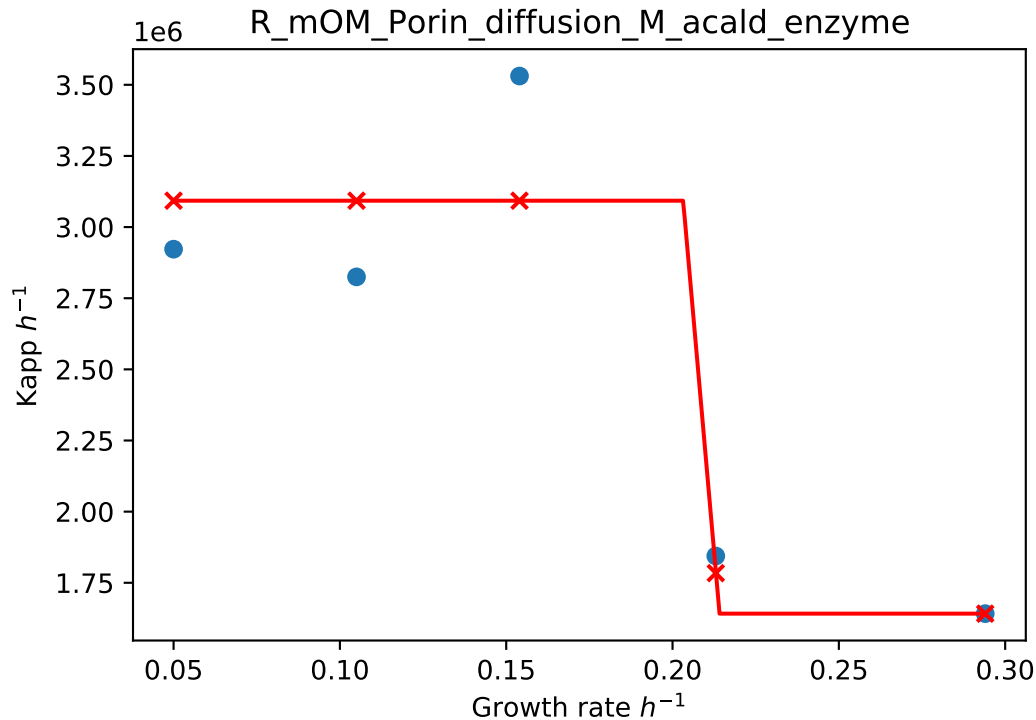


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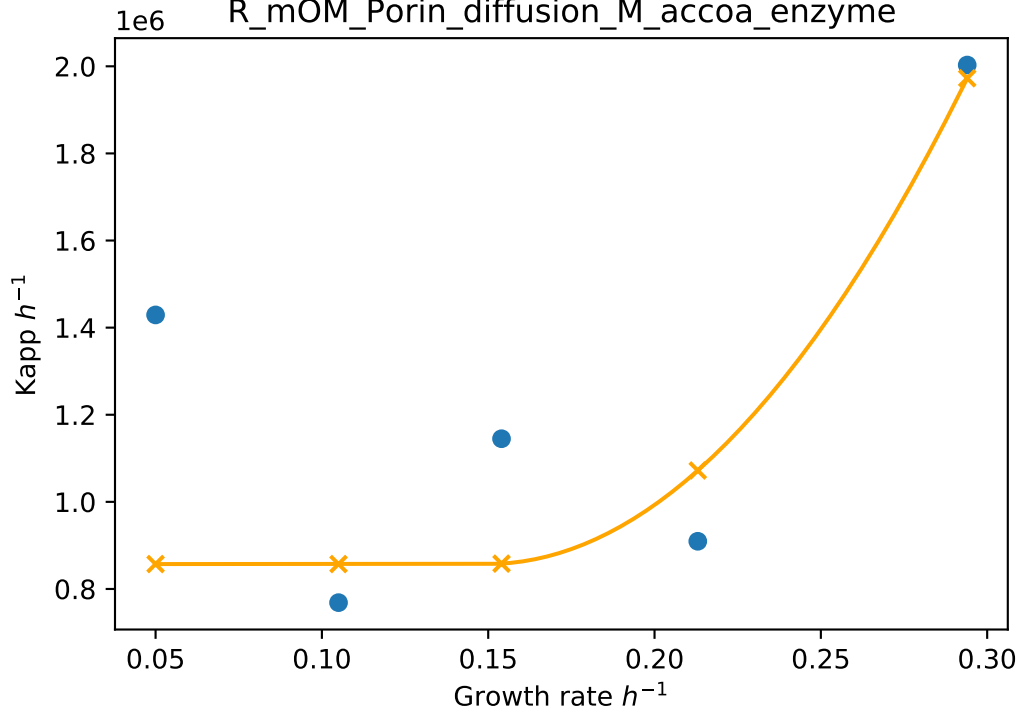


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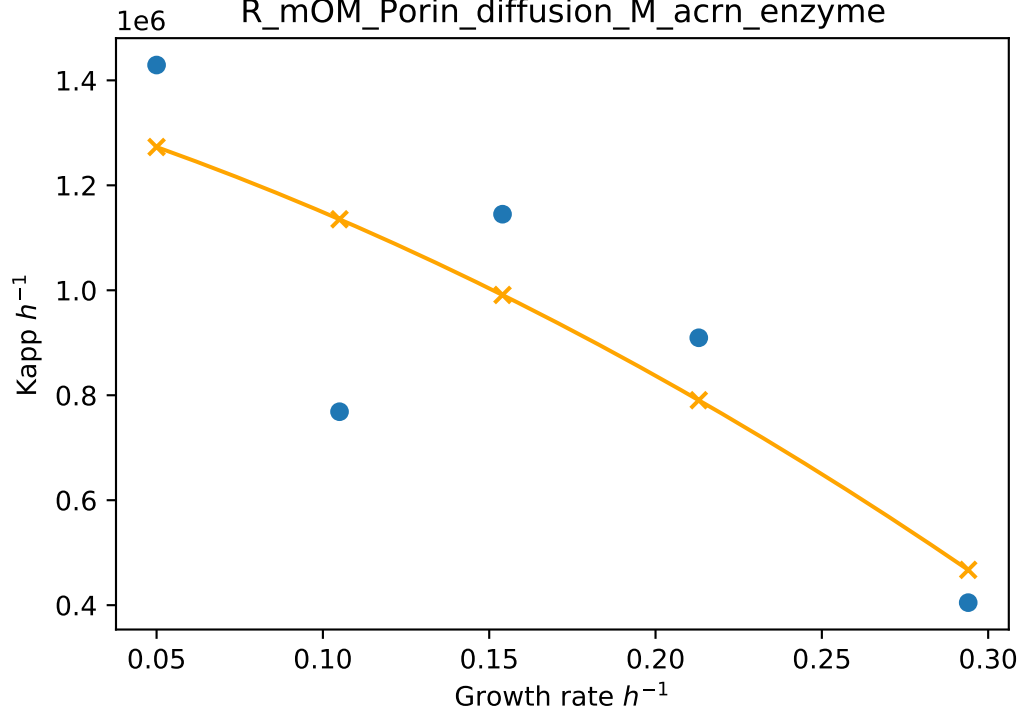




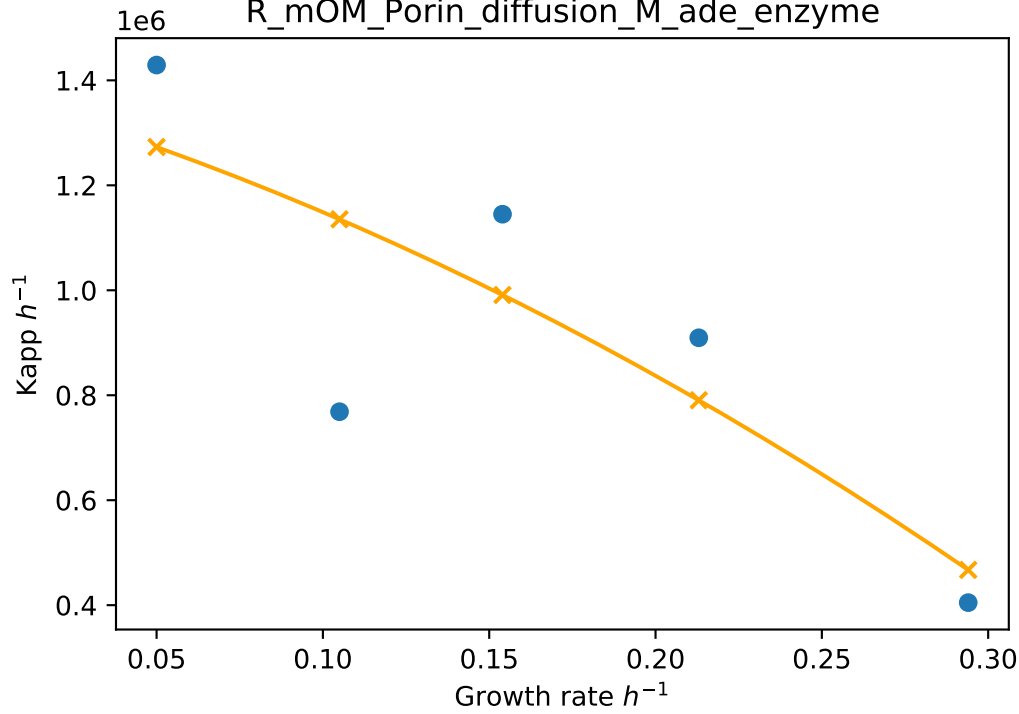
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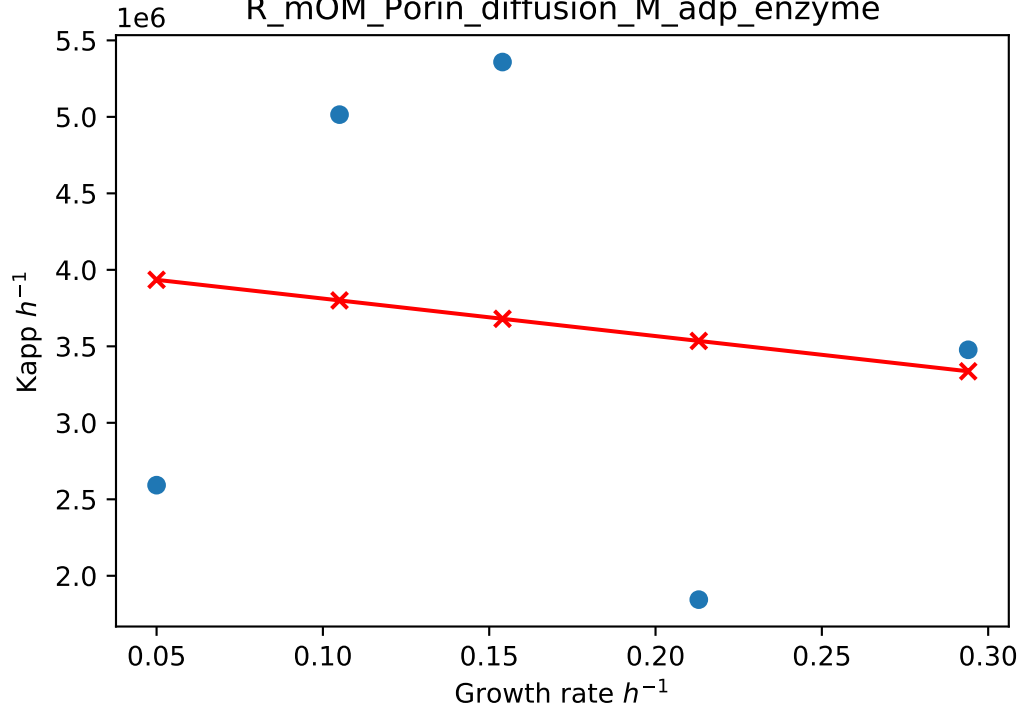
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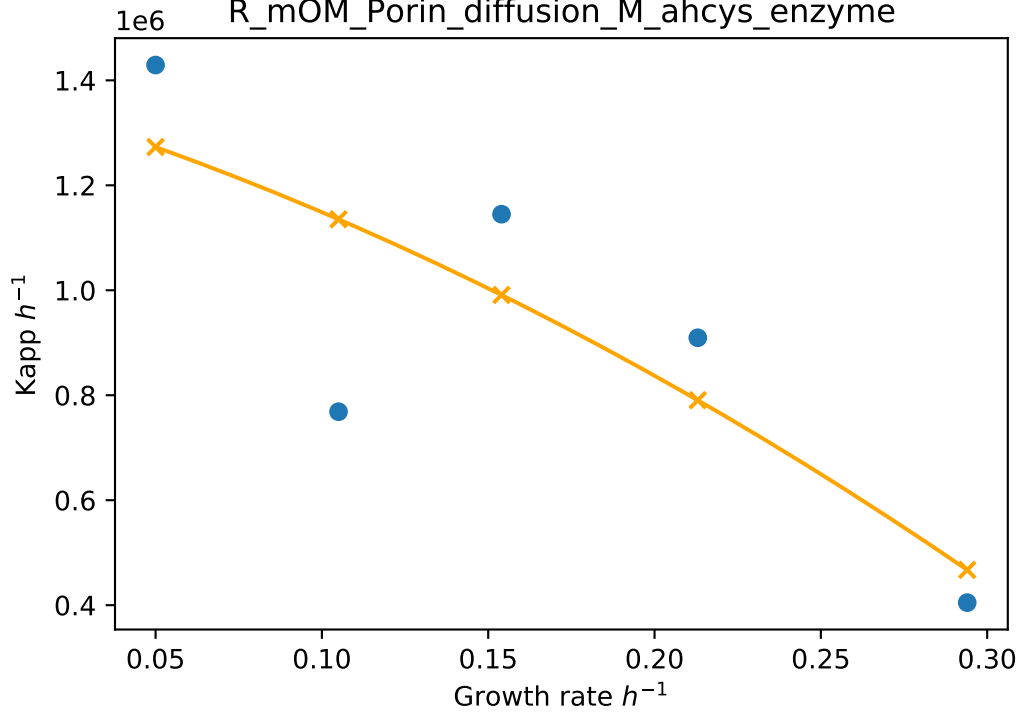
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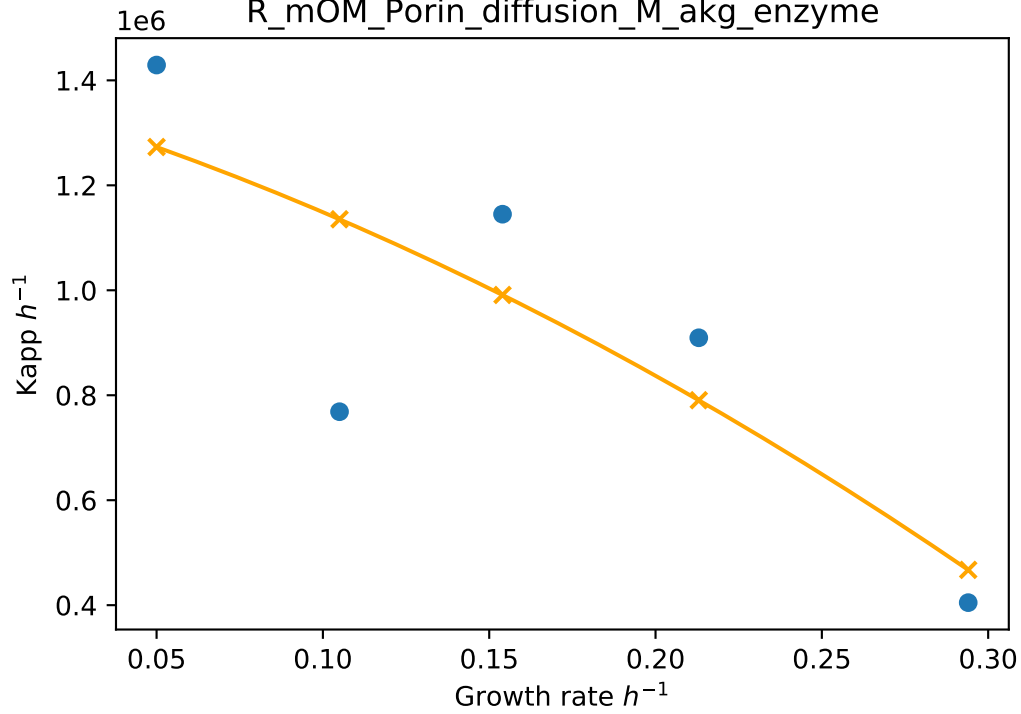
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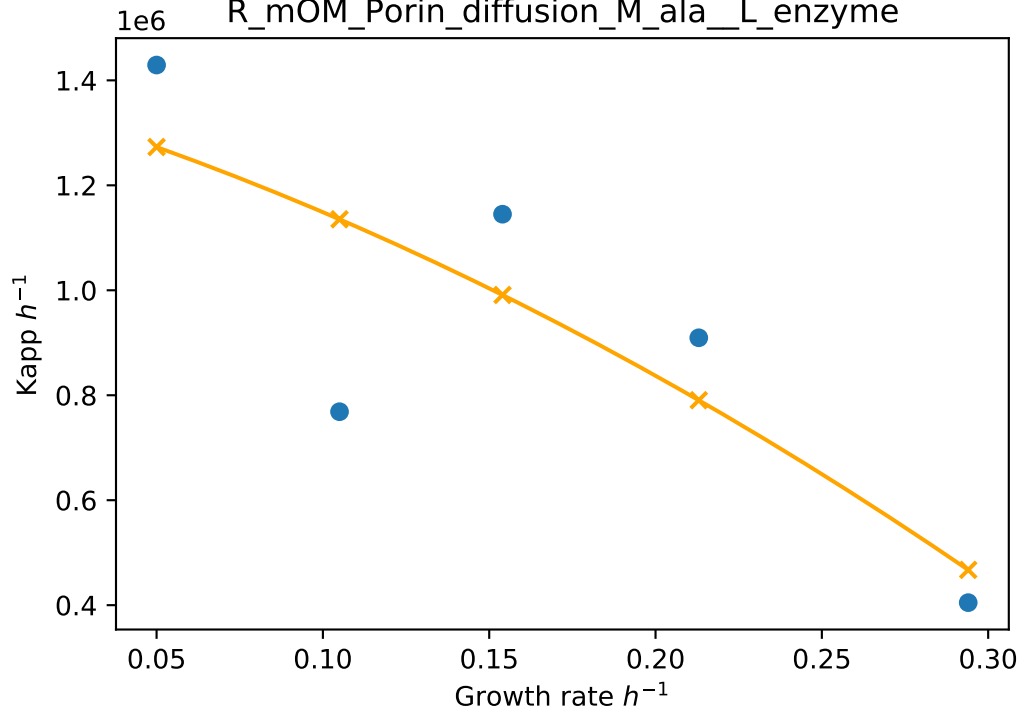
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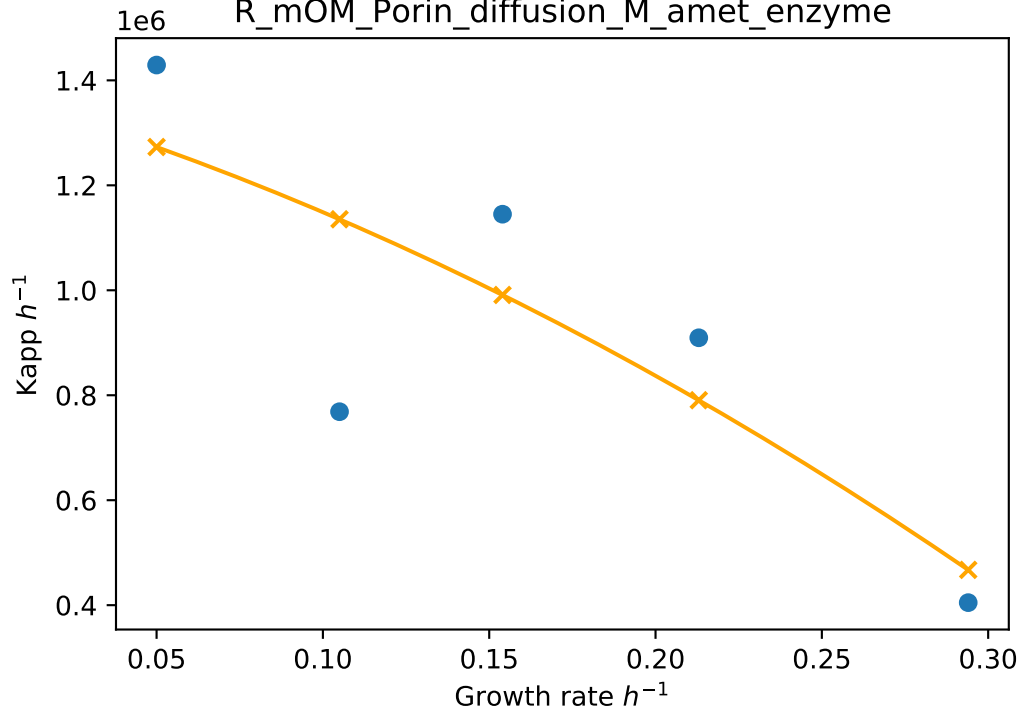
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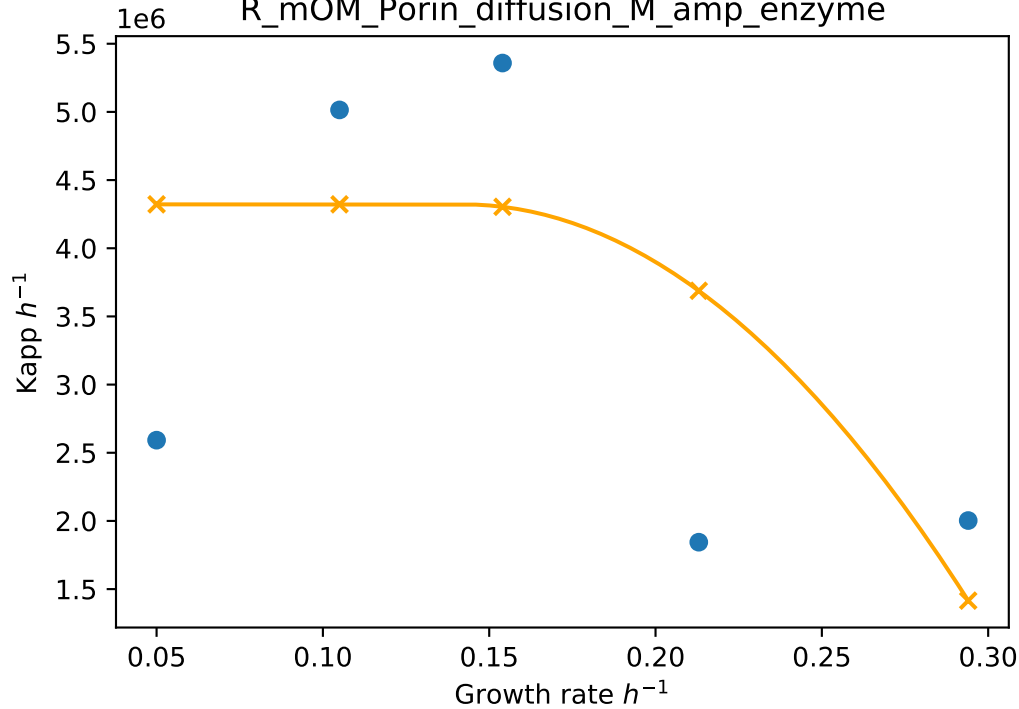
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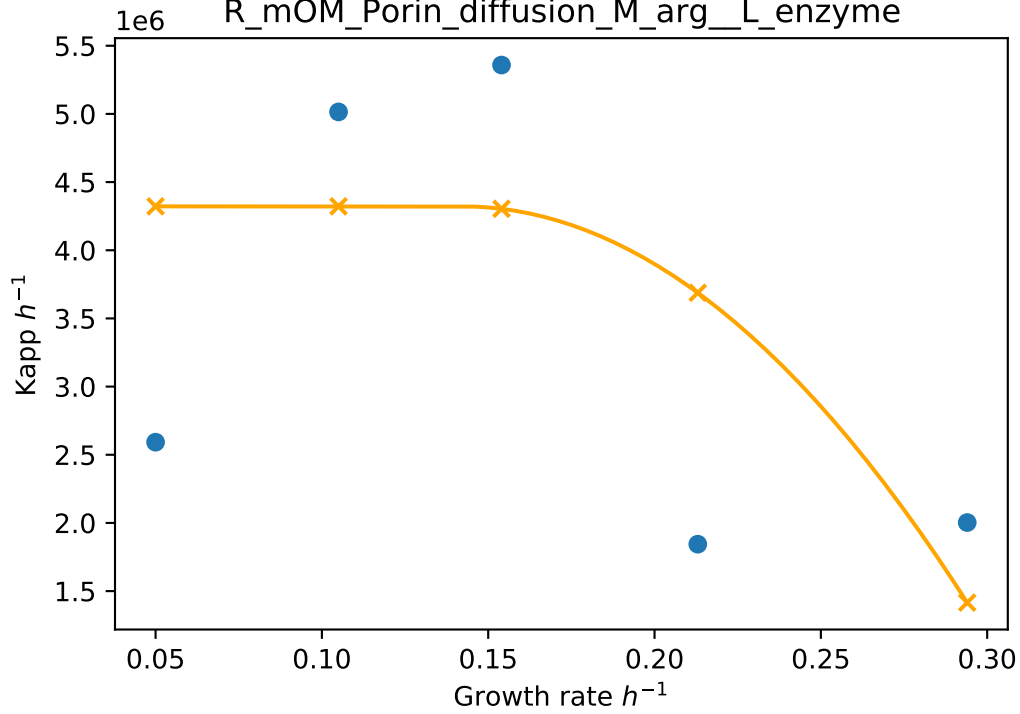
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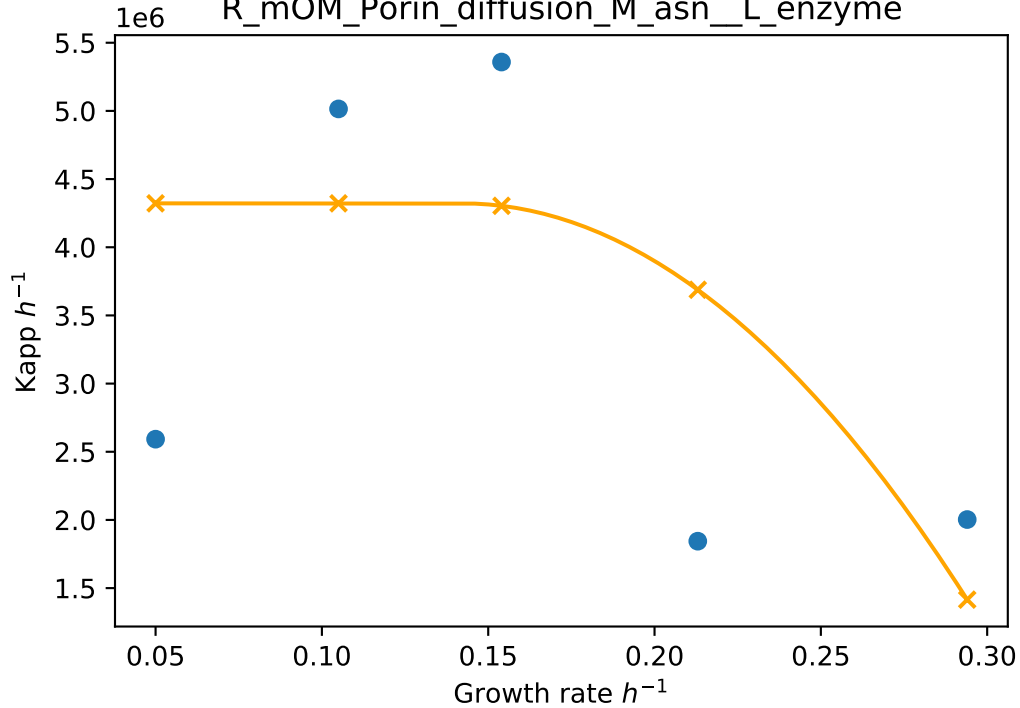
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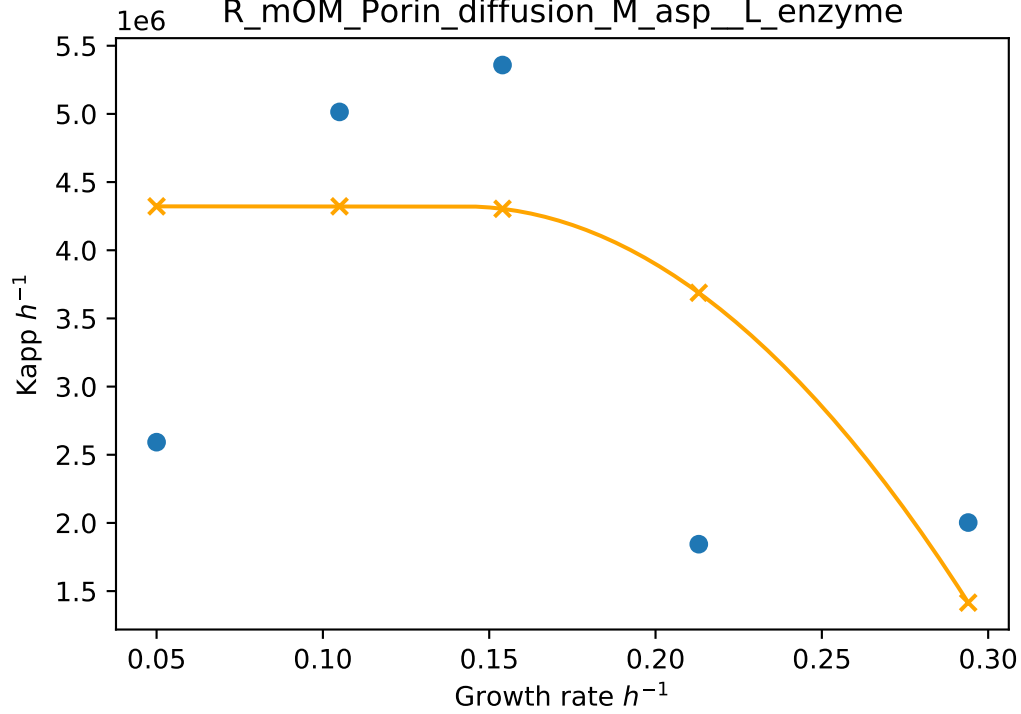
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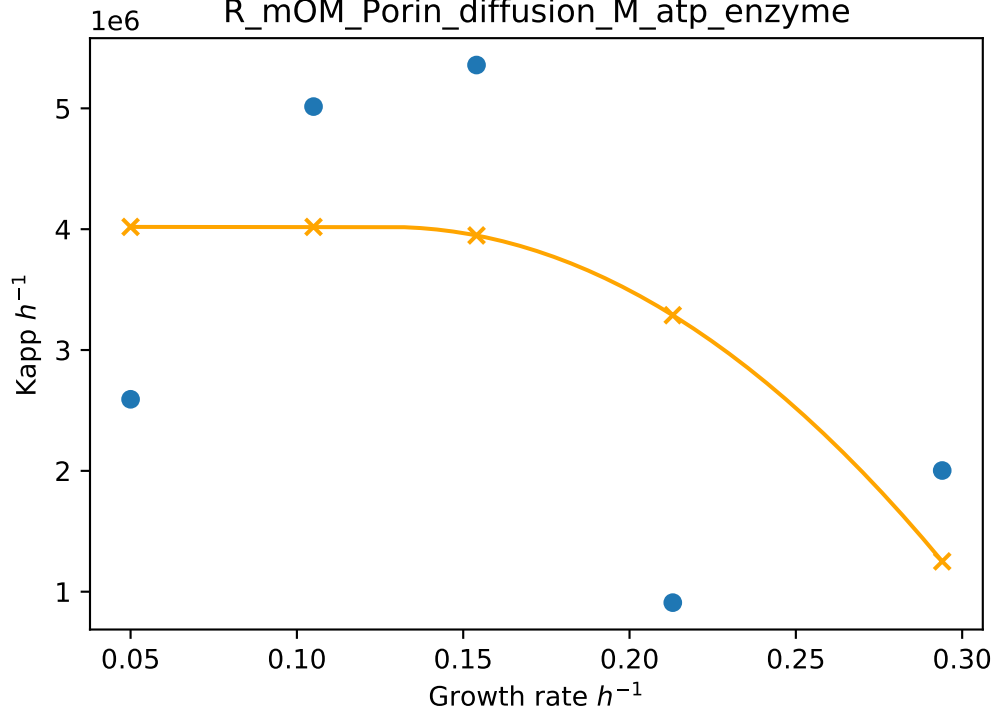
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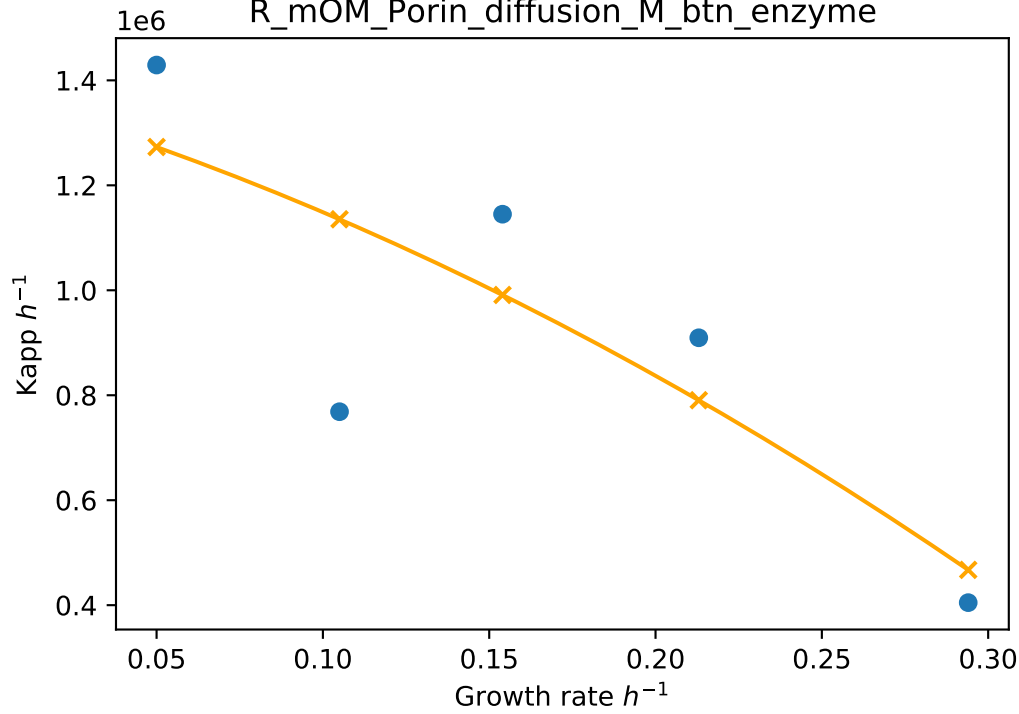
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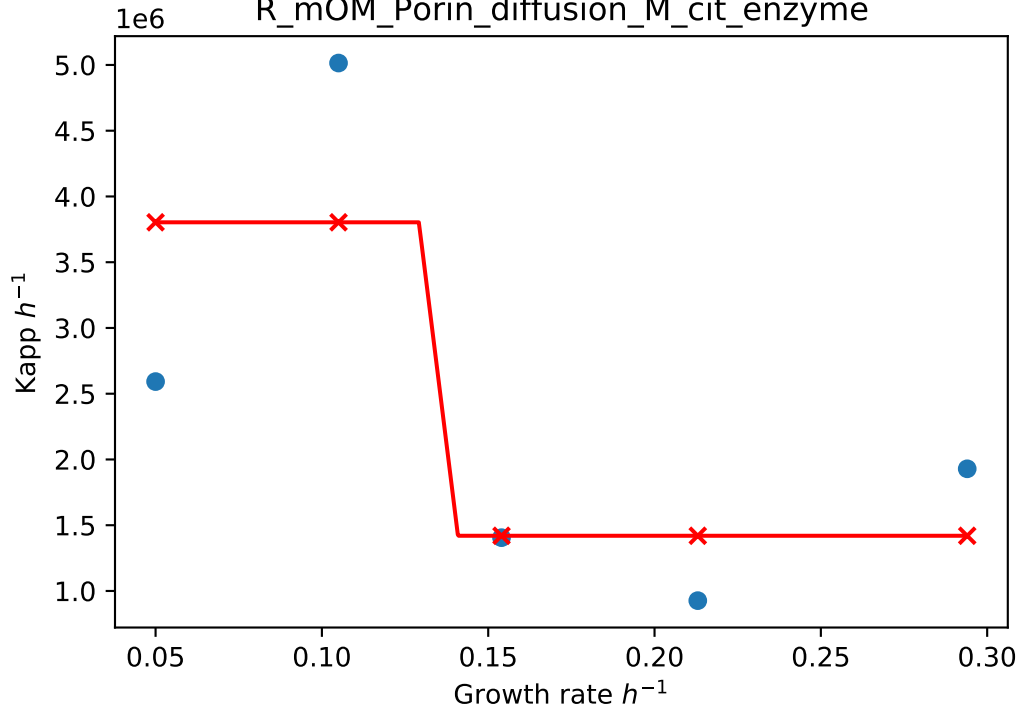
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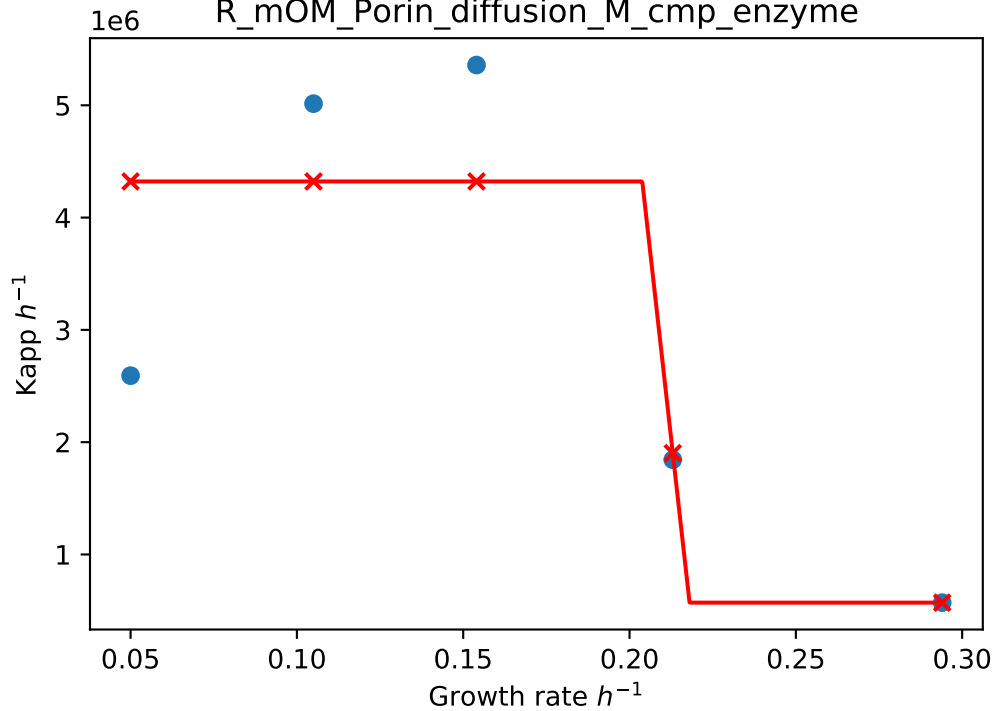
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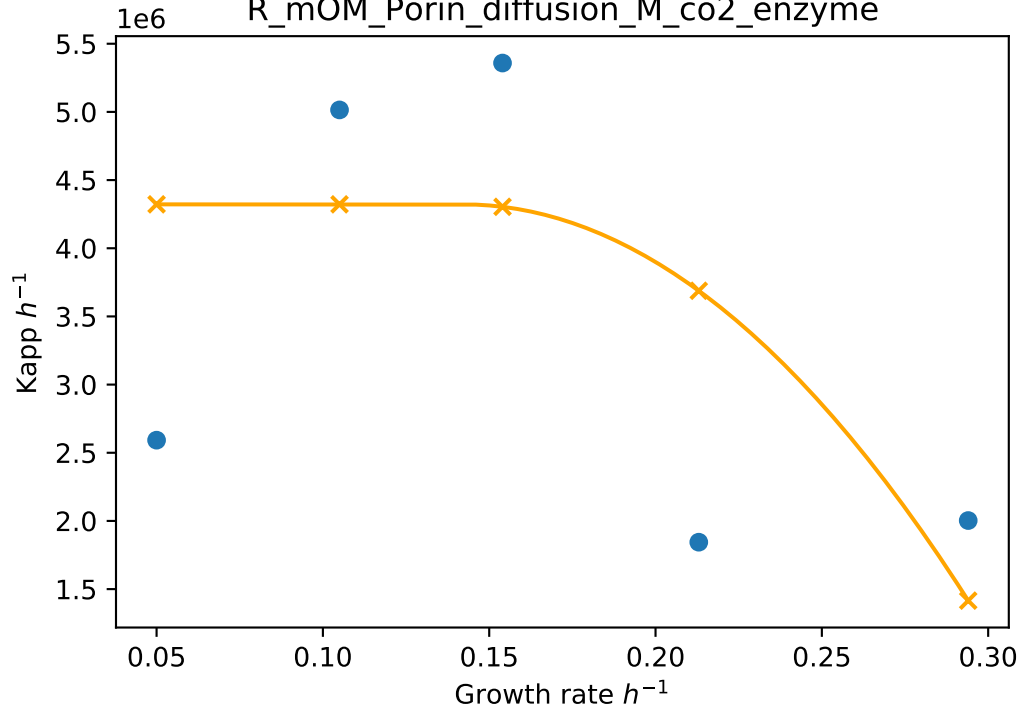
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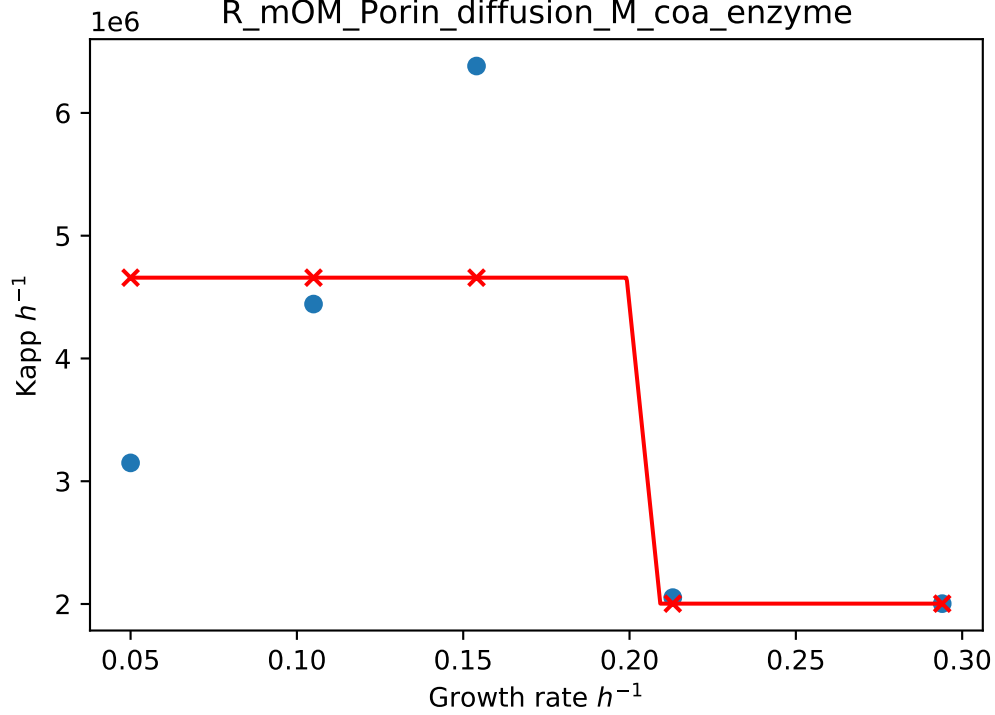
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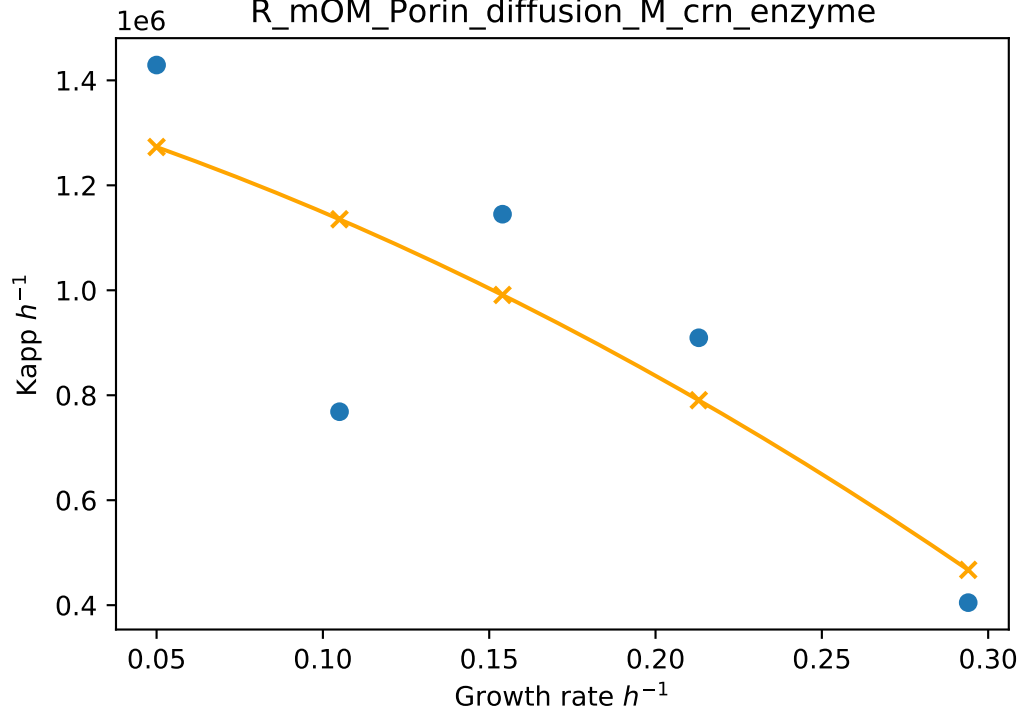
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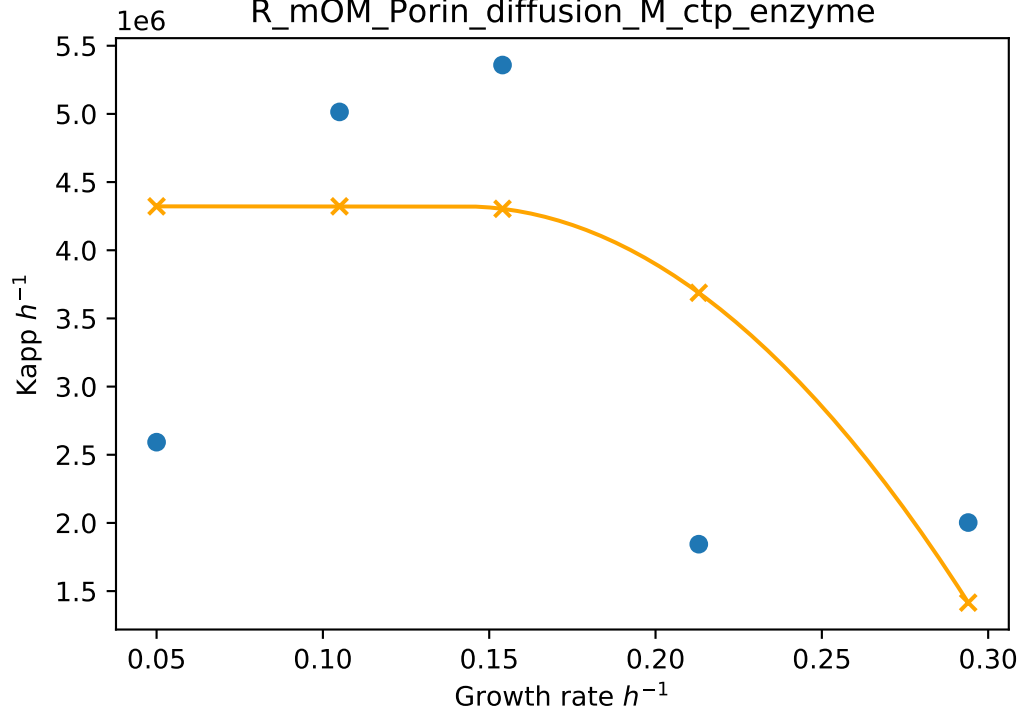
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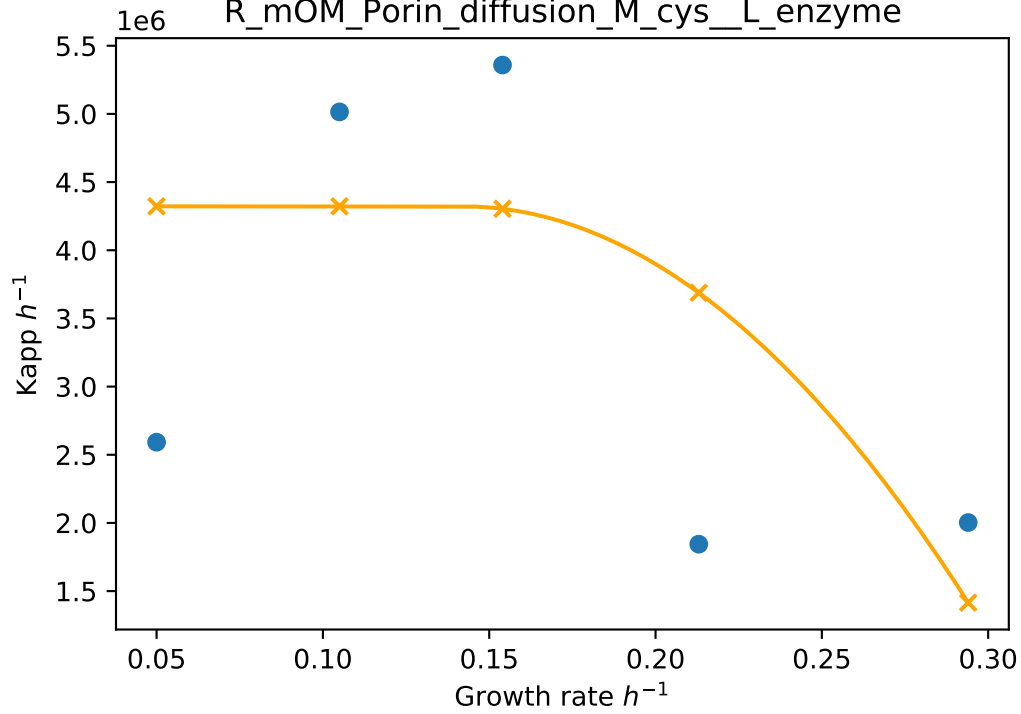
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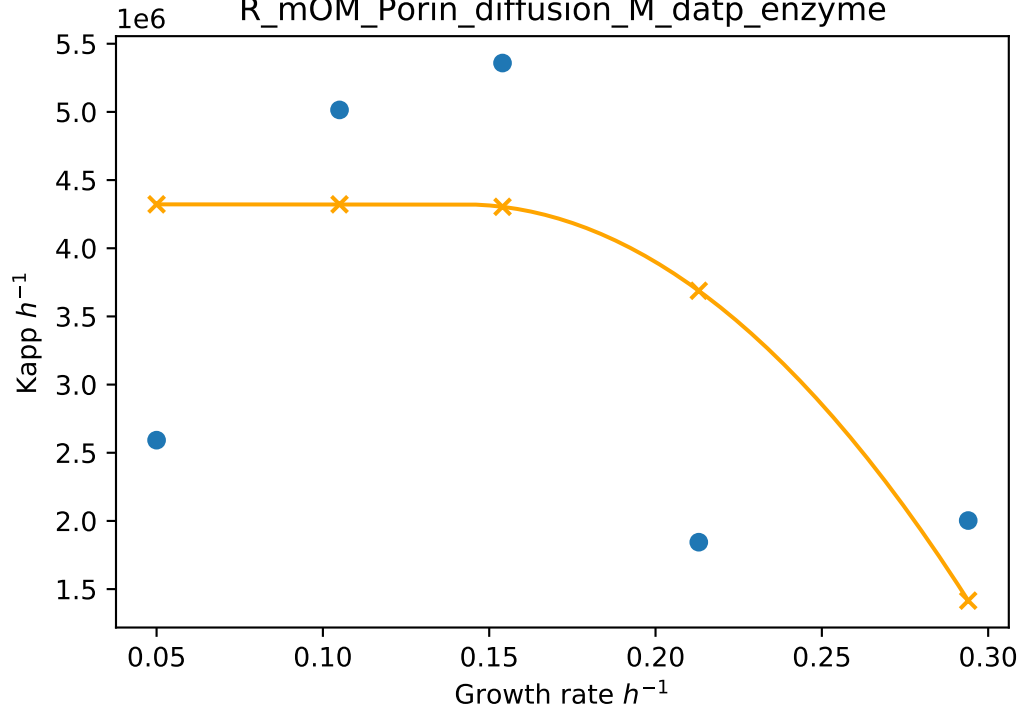
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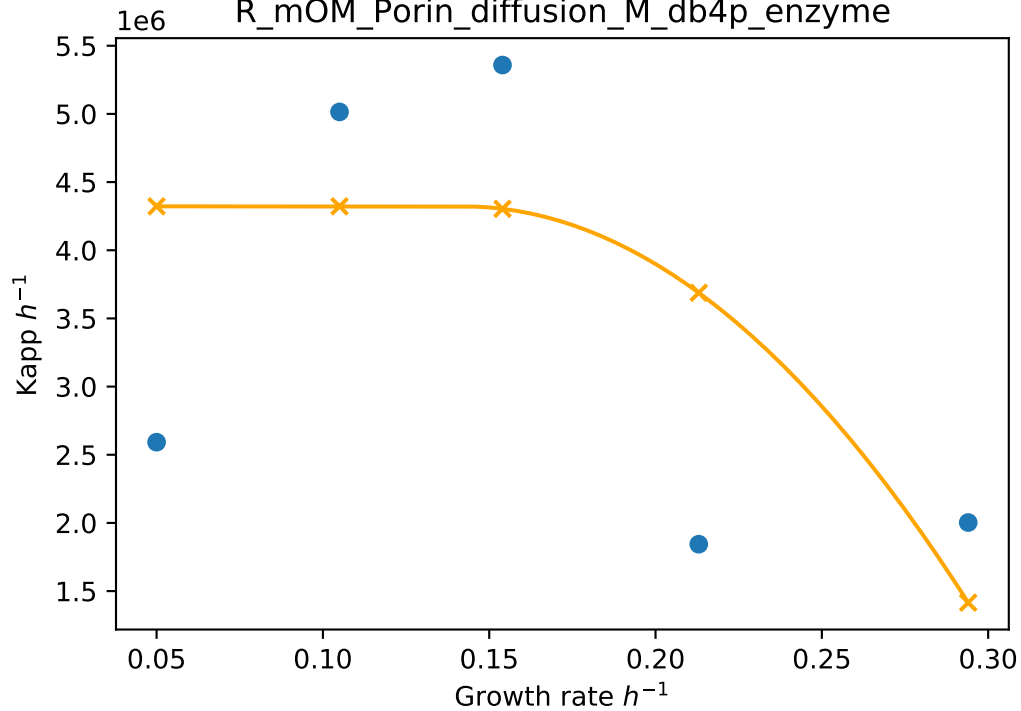
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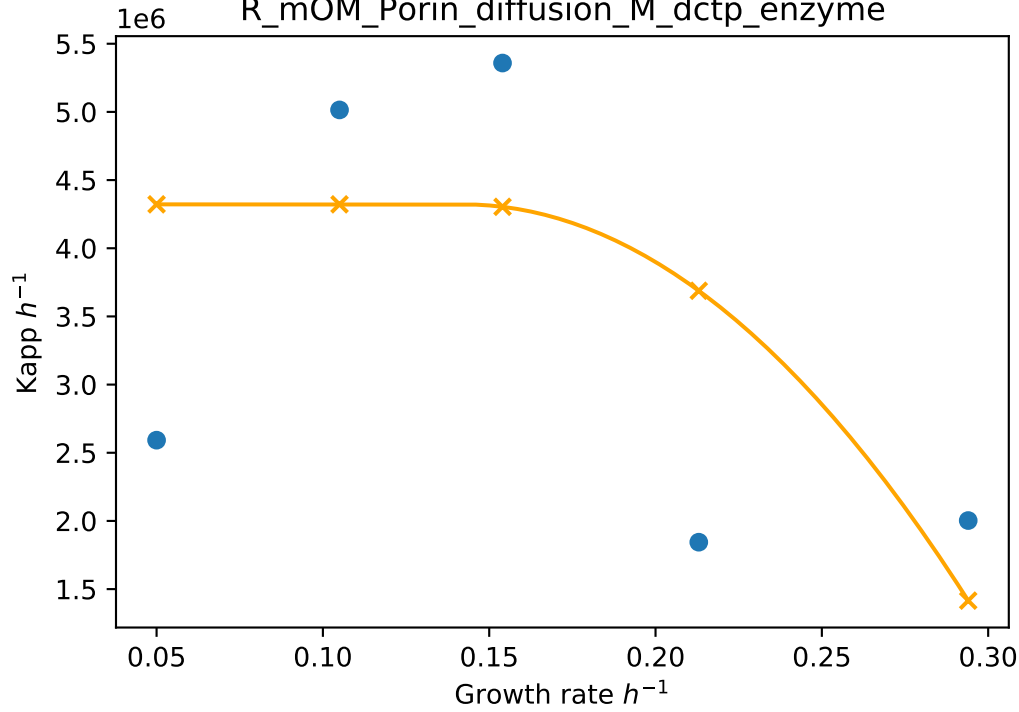
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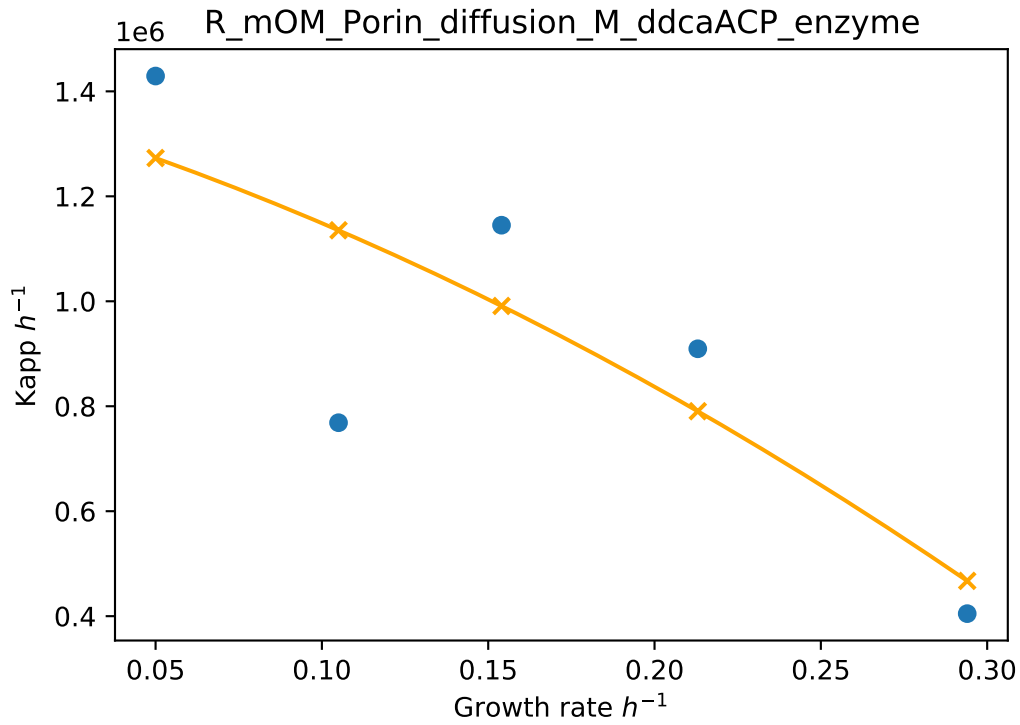


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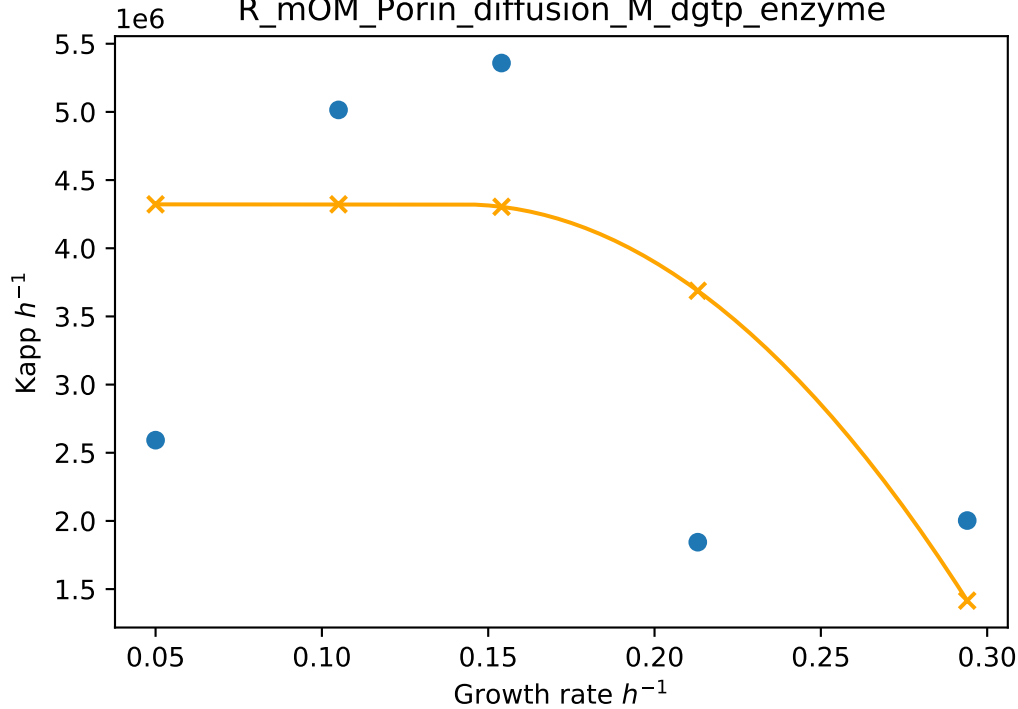


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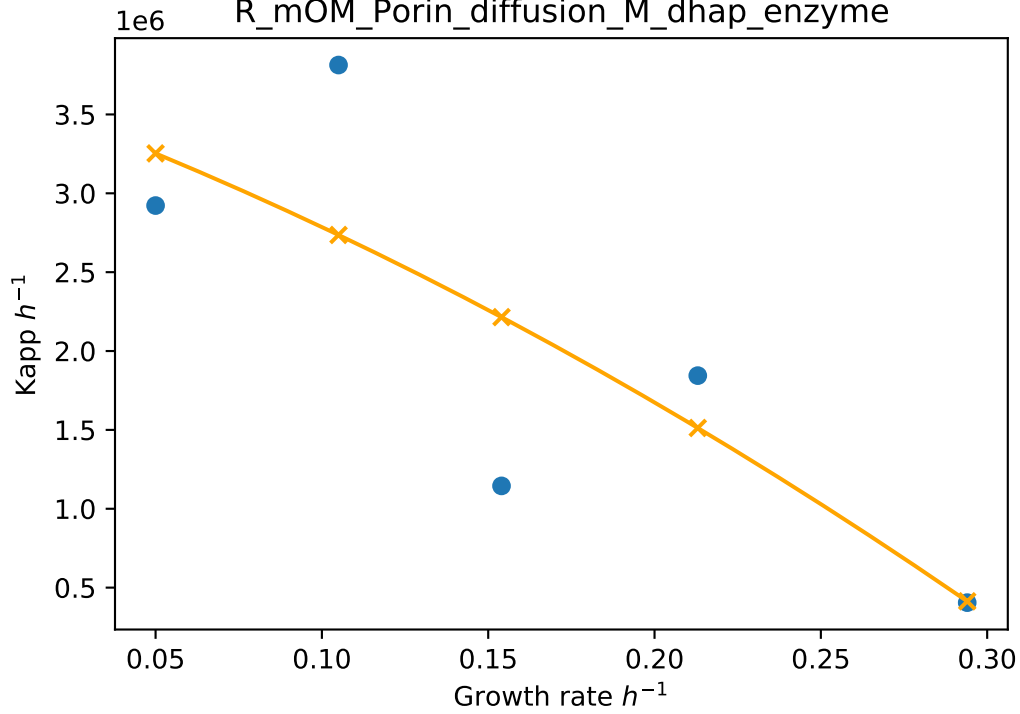




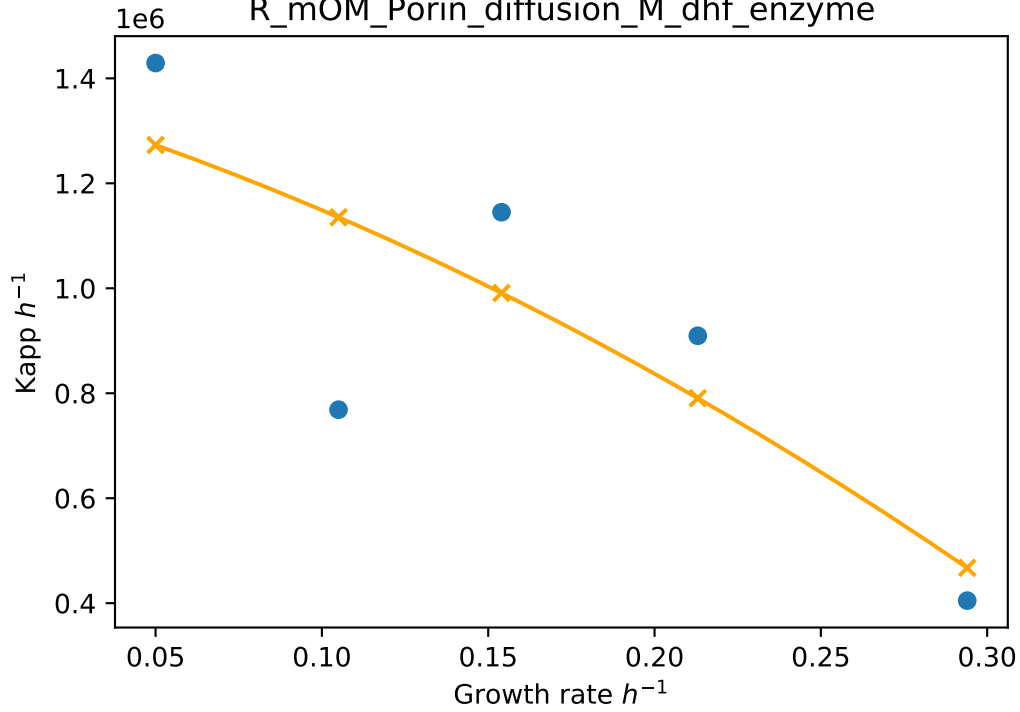
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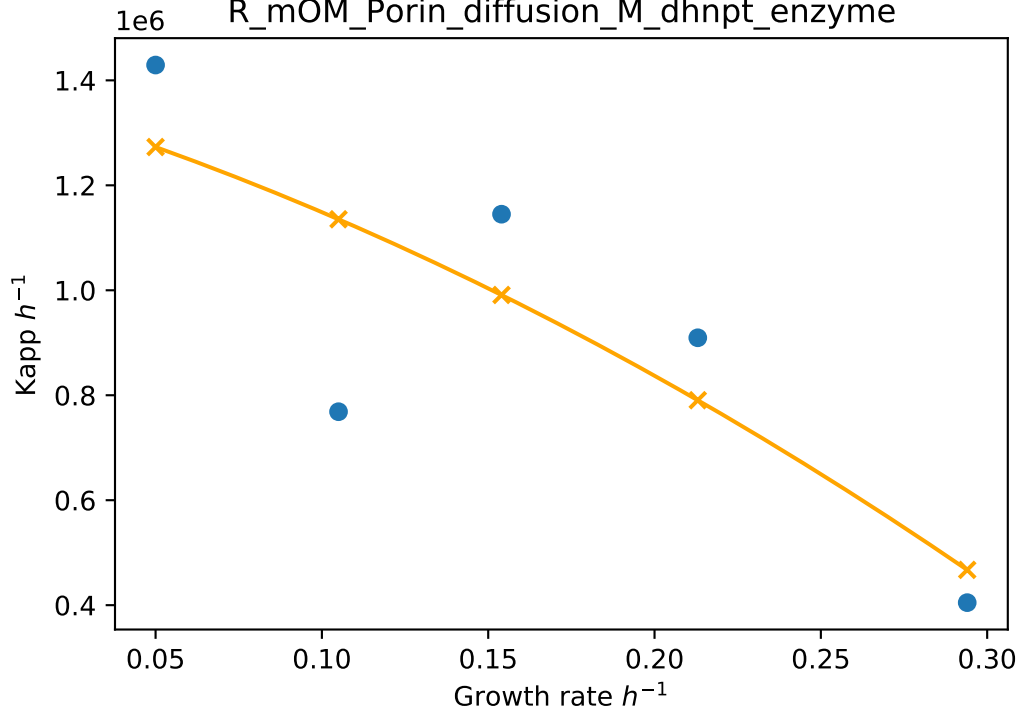
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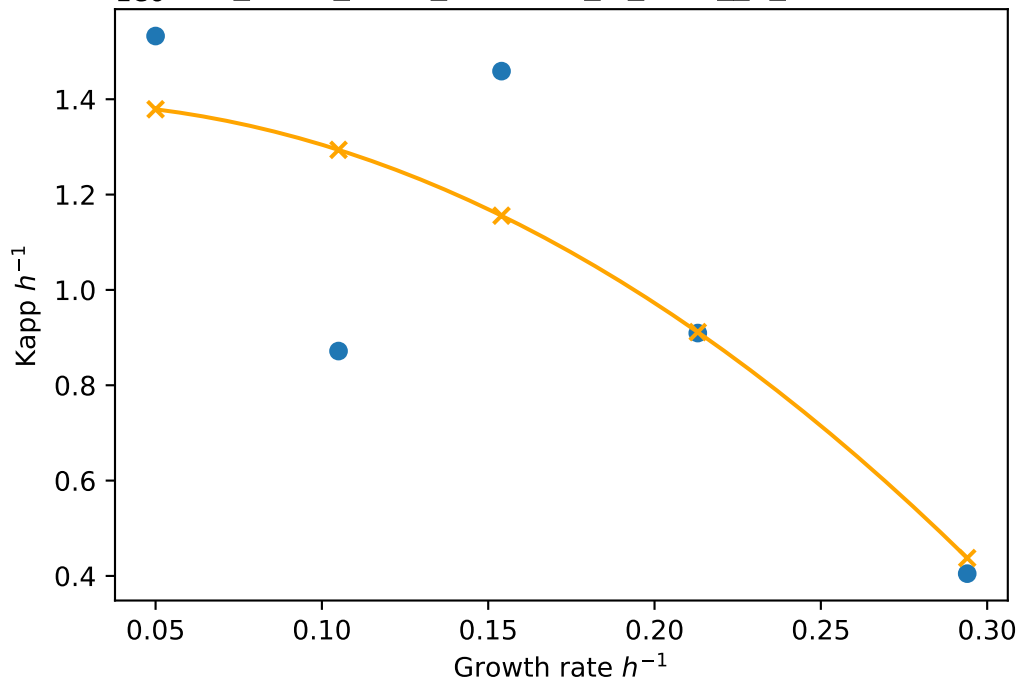


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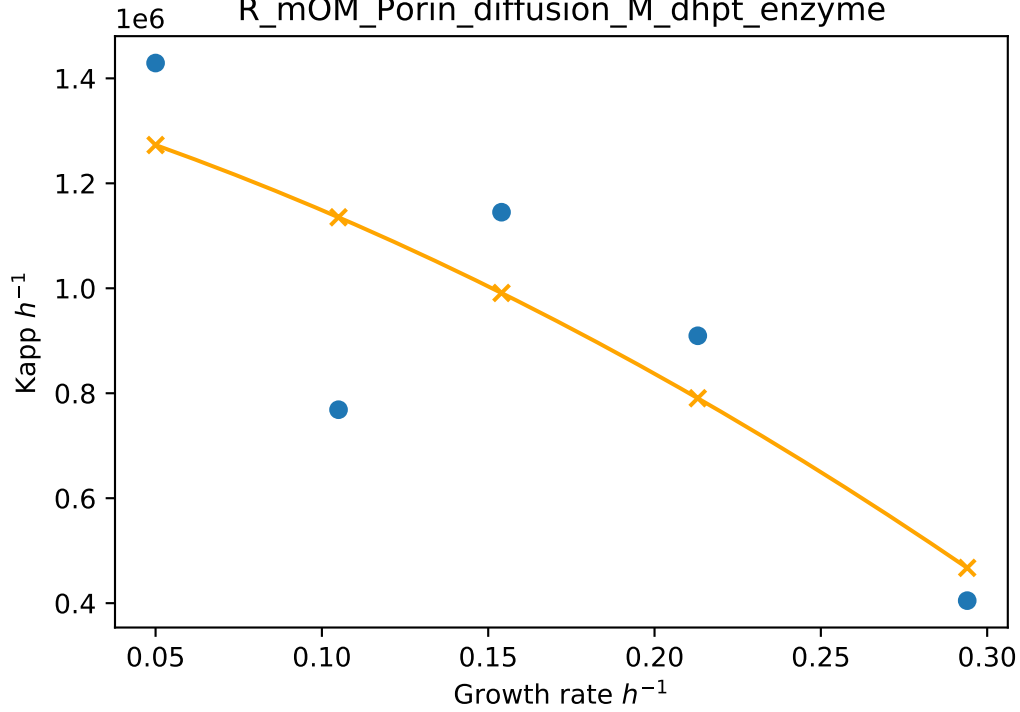


R_mOM_Porin_diffusion_M_dhor__S_enzyme

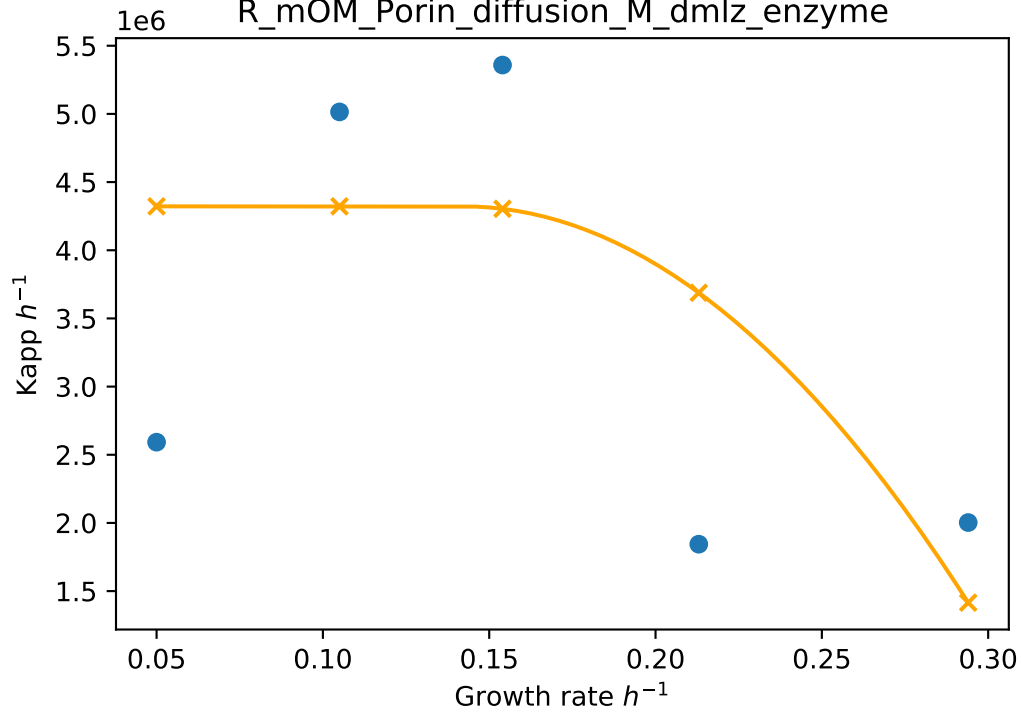
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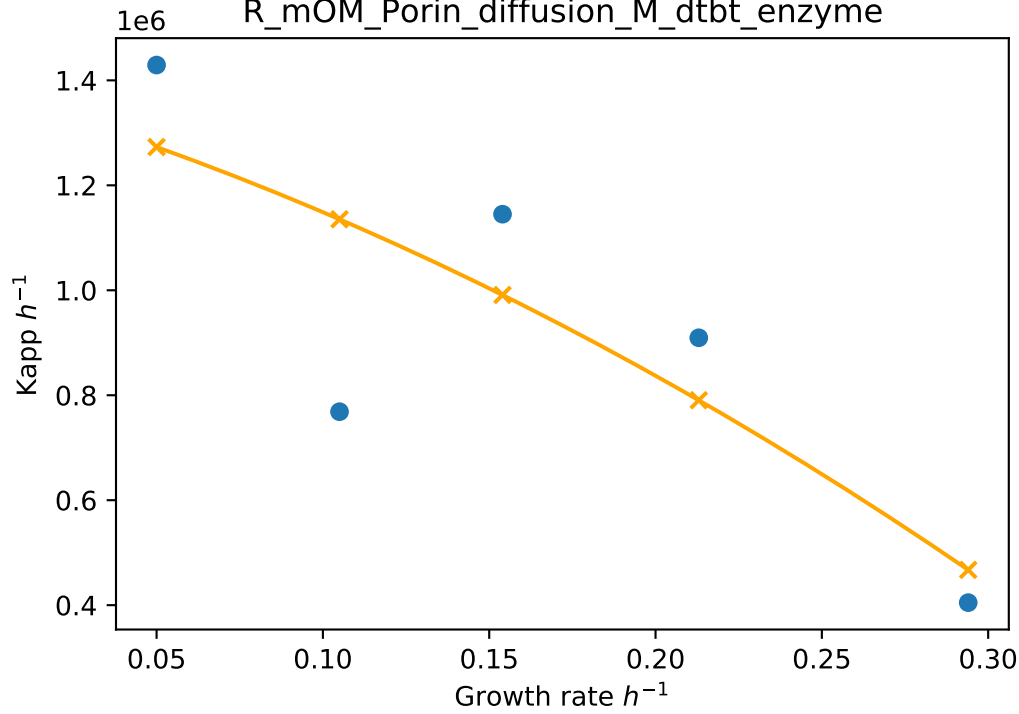
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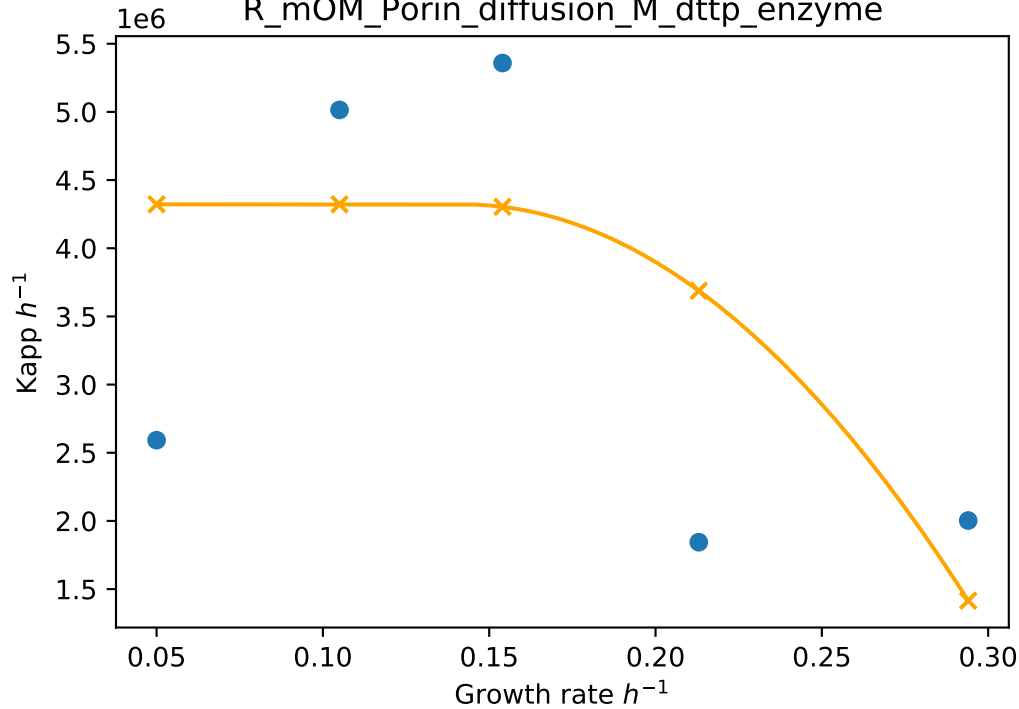
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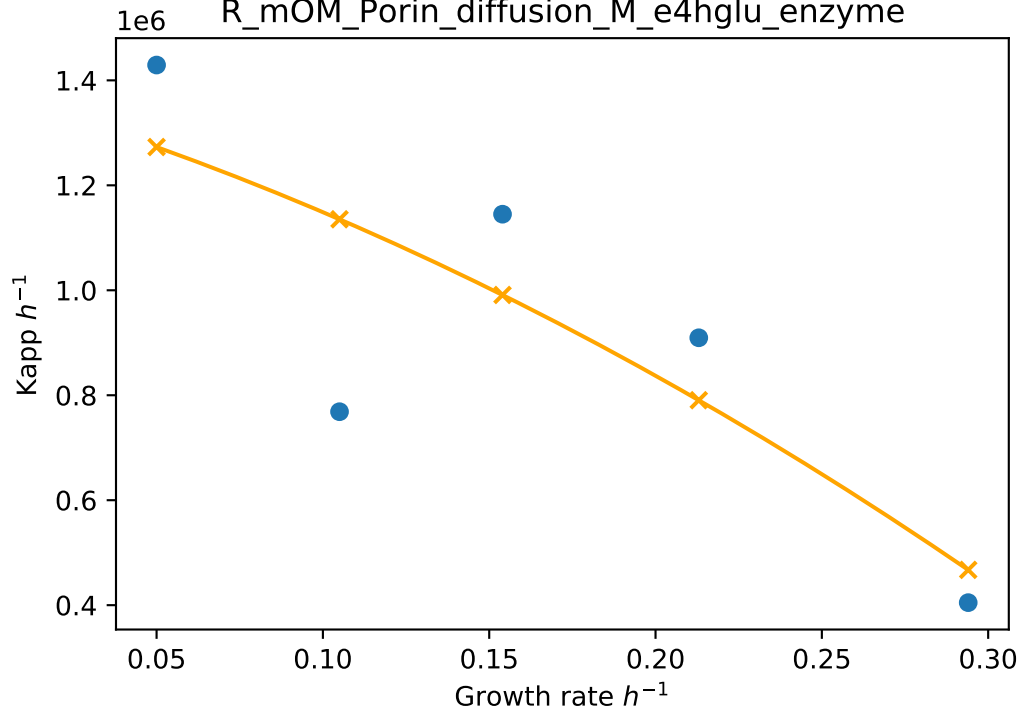
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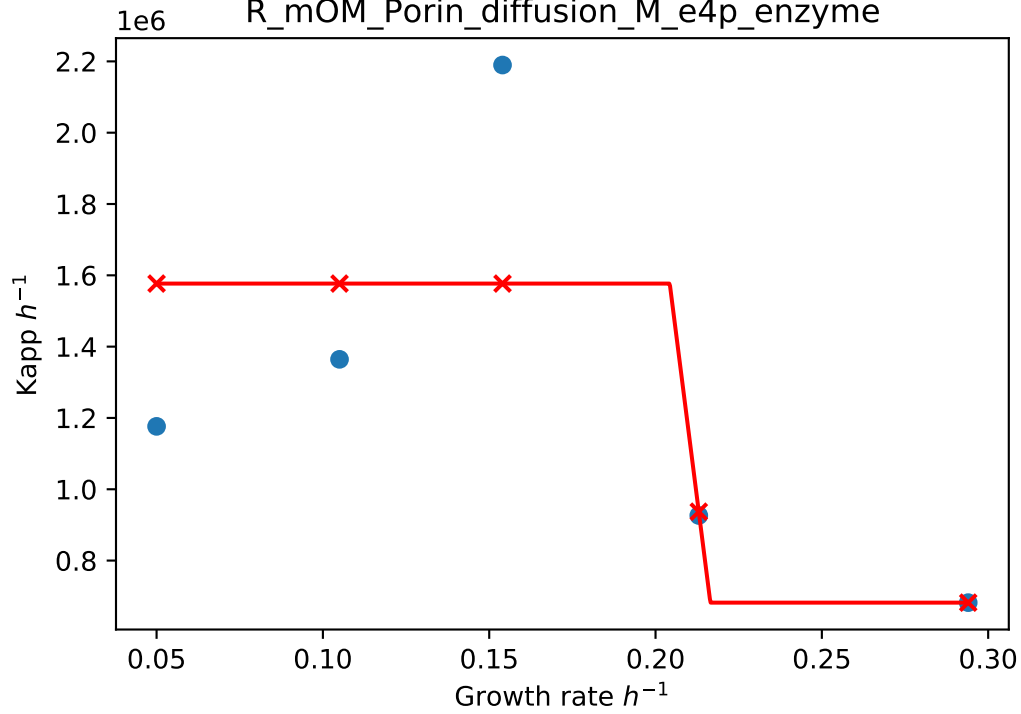
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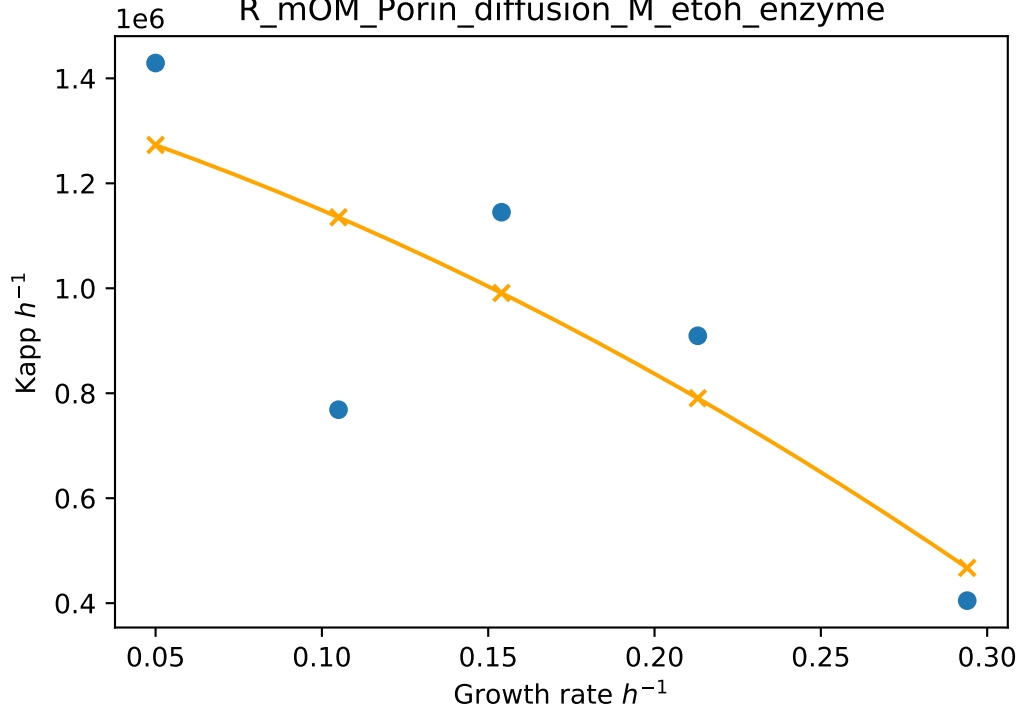
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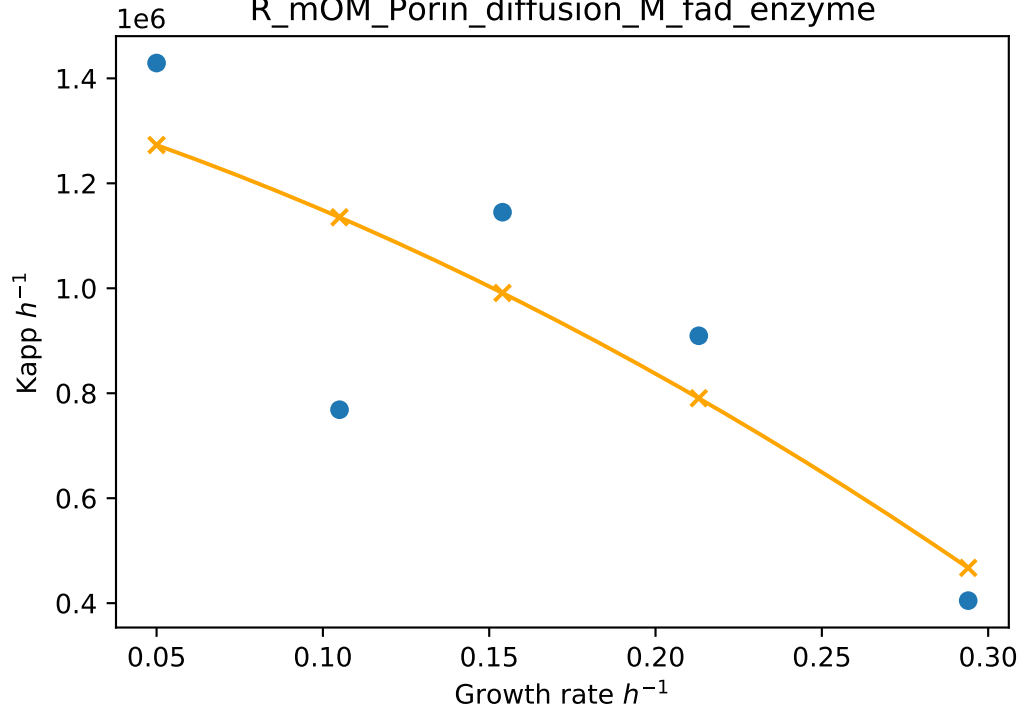
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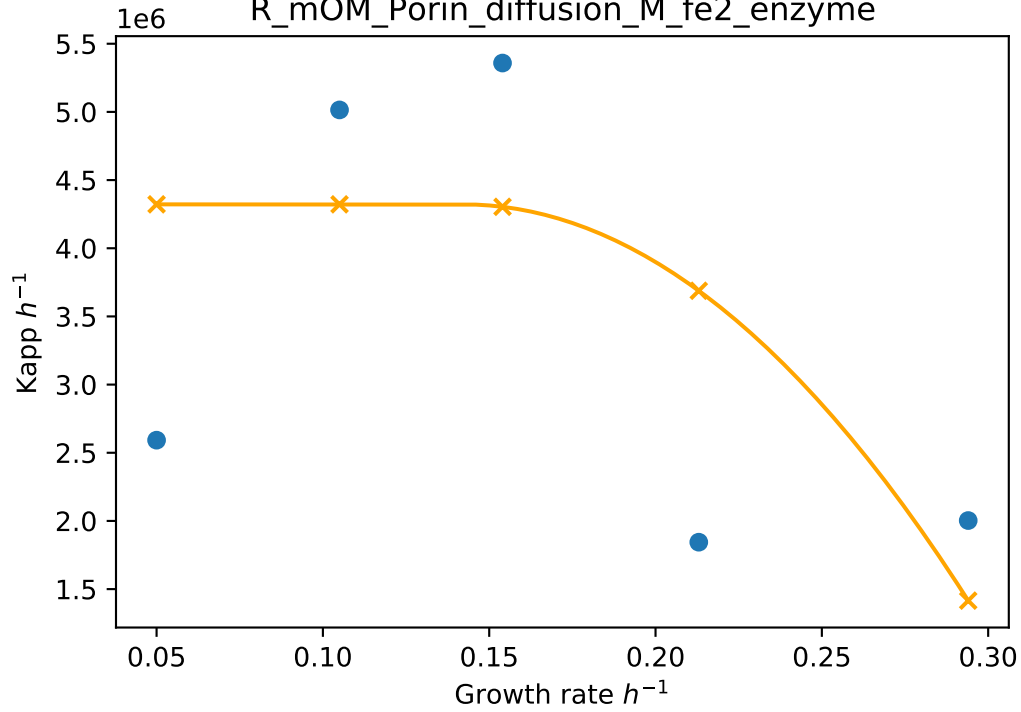
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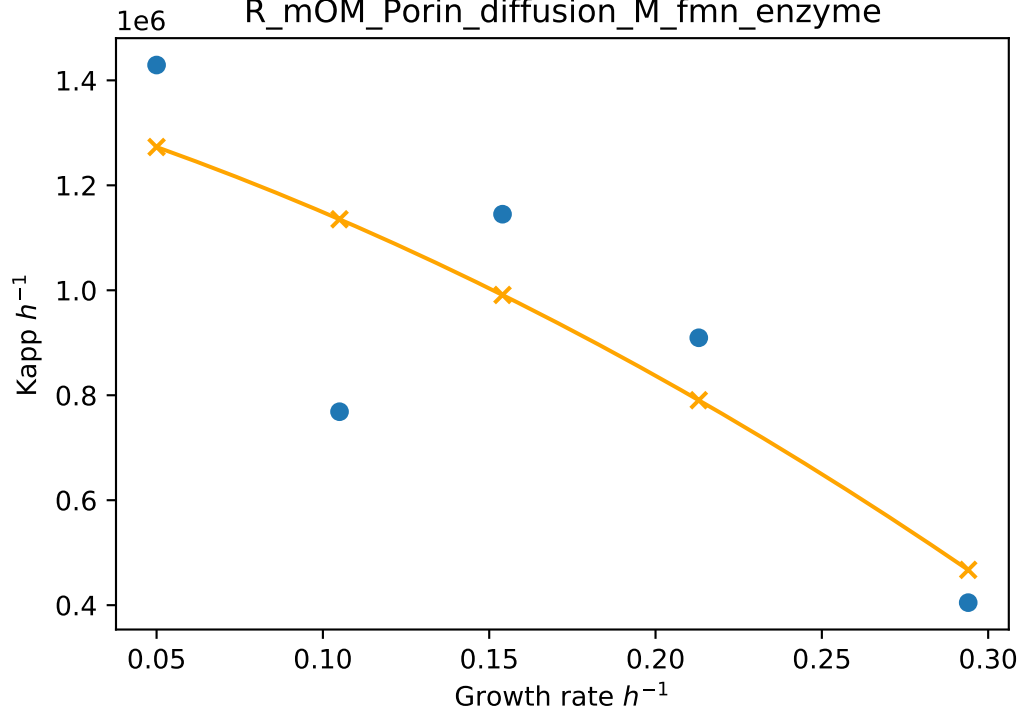
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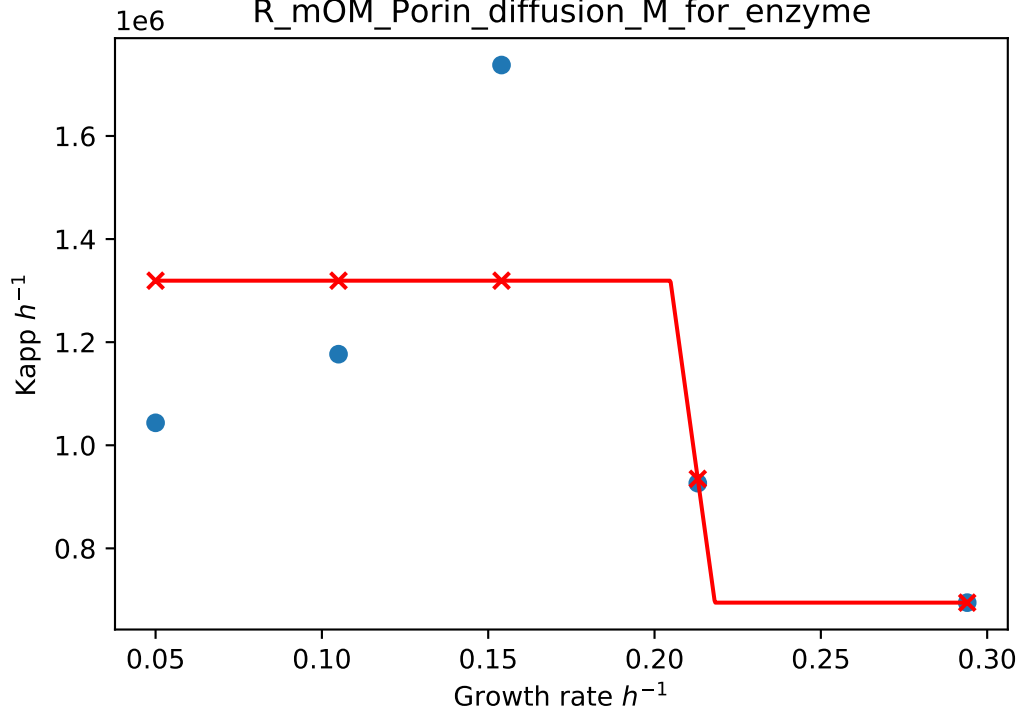
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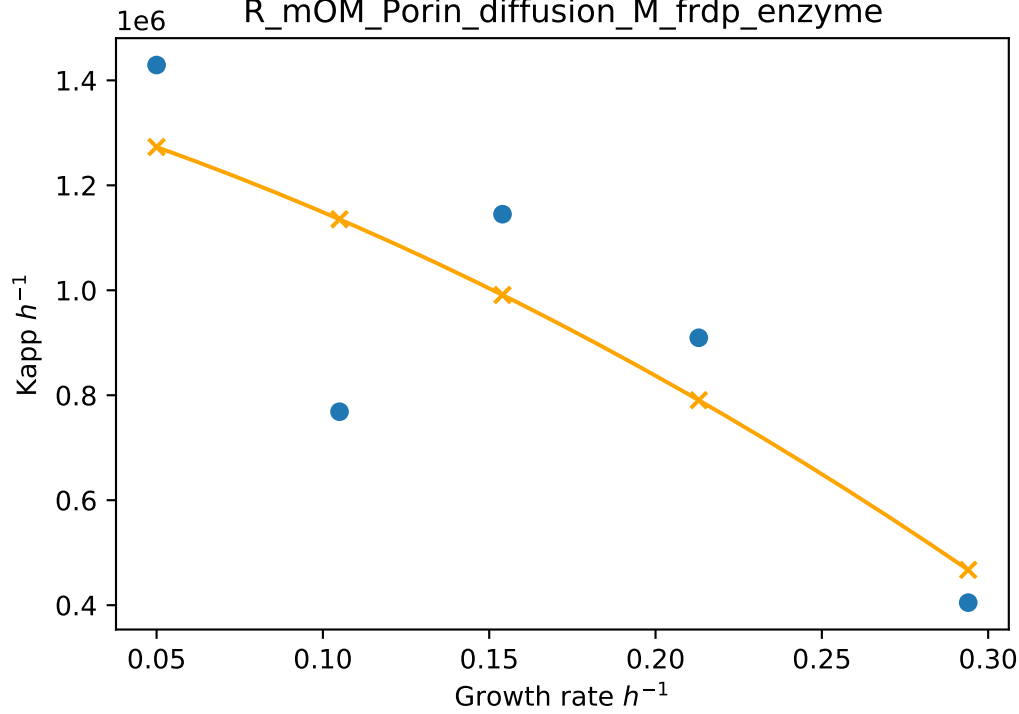
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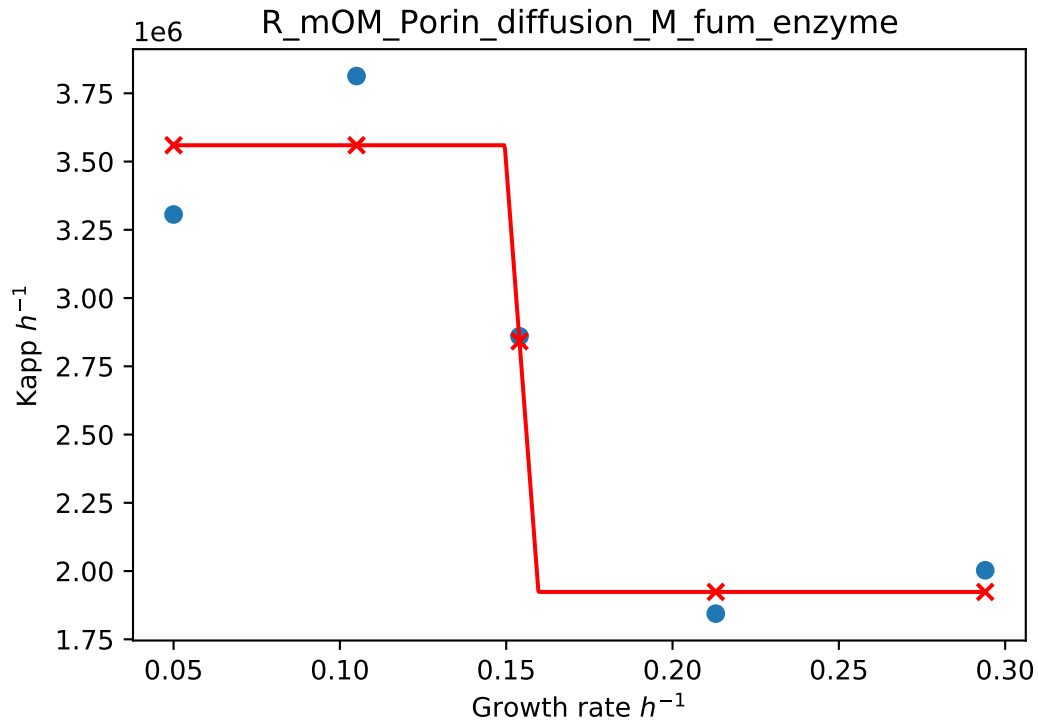


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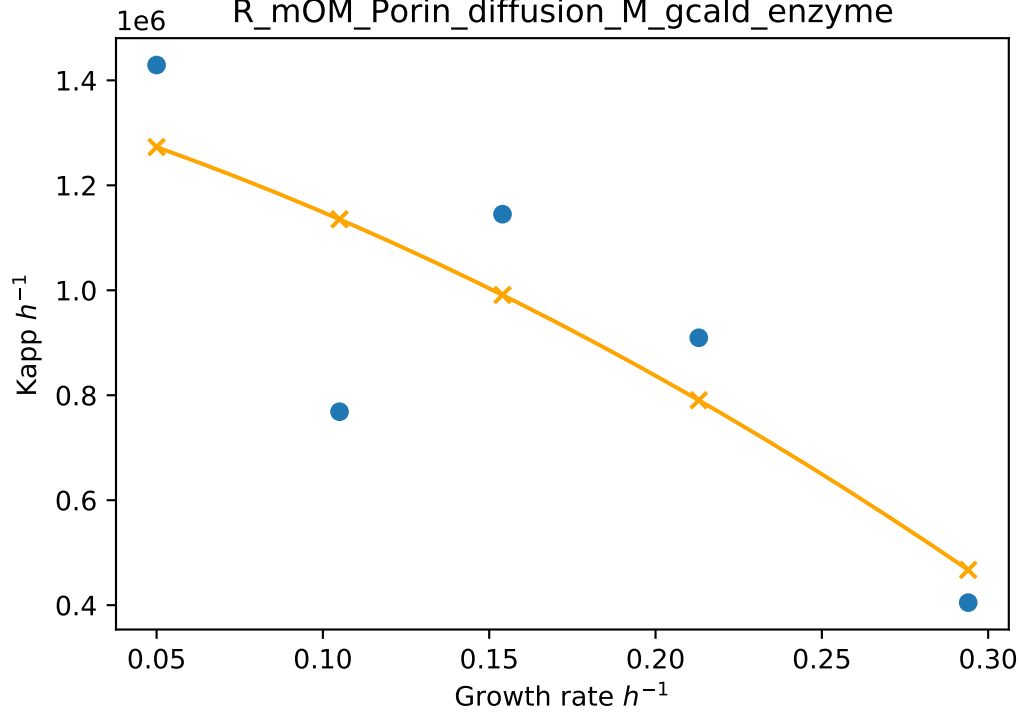


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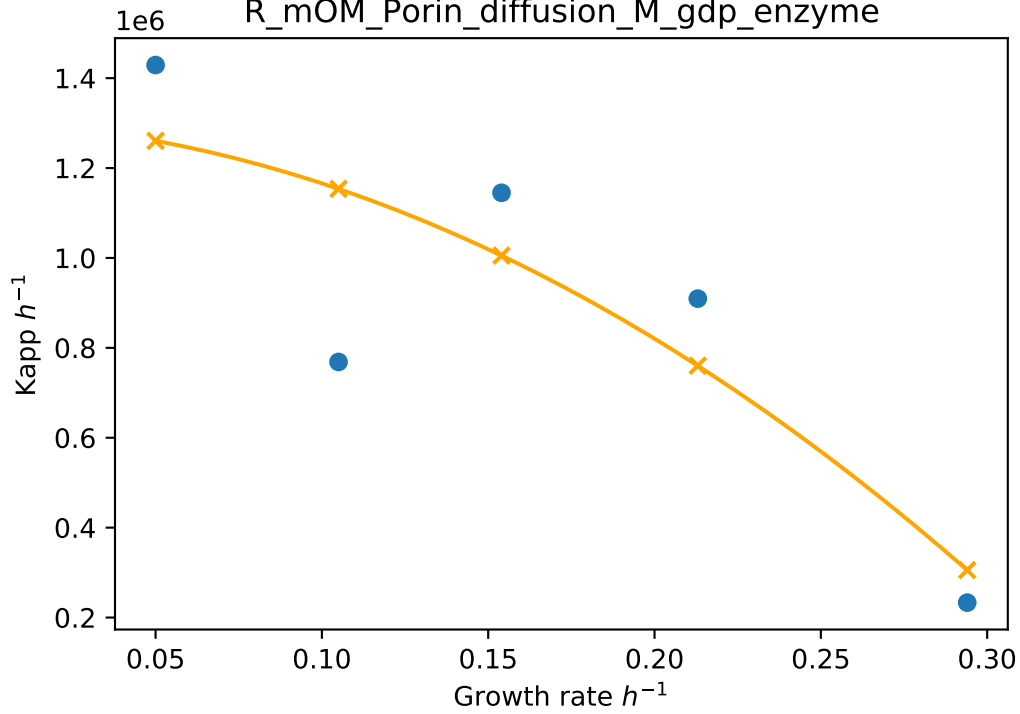




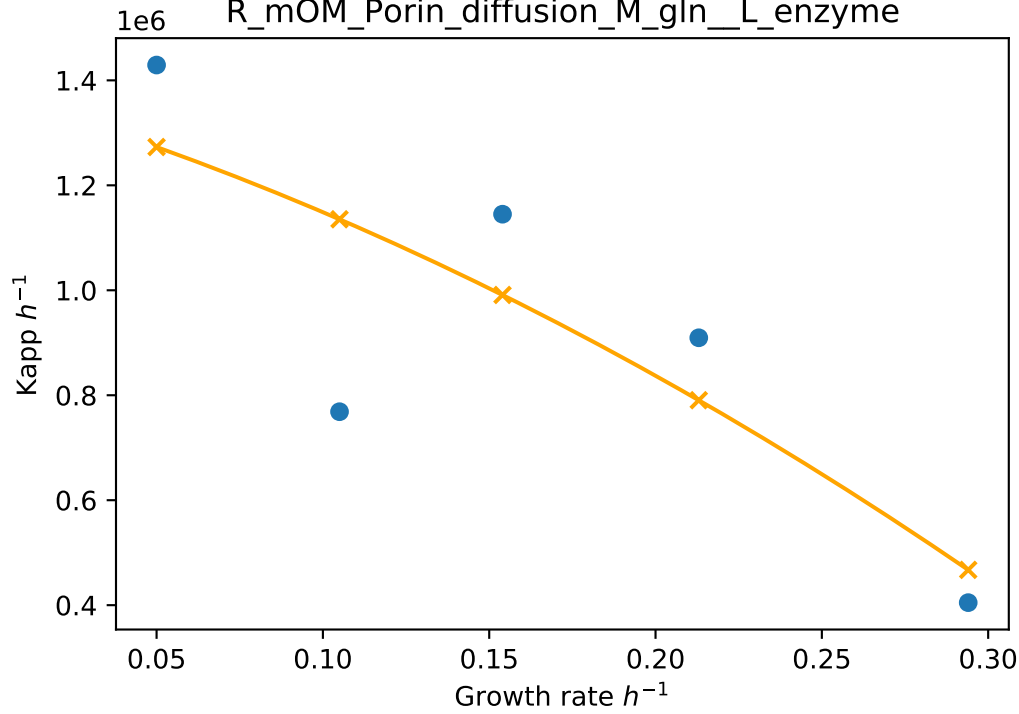
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R_mOM_Porin_diffusion_M_gdp_enzyme

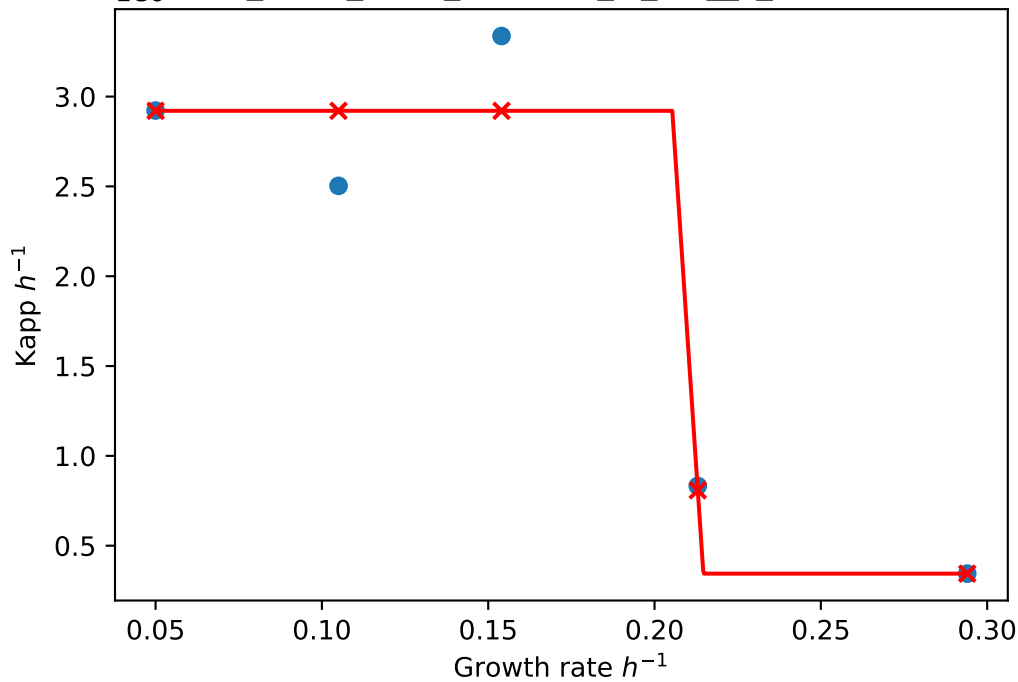


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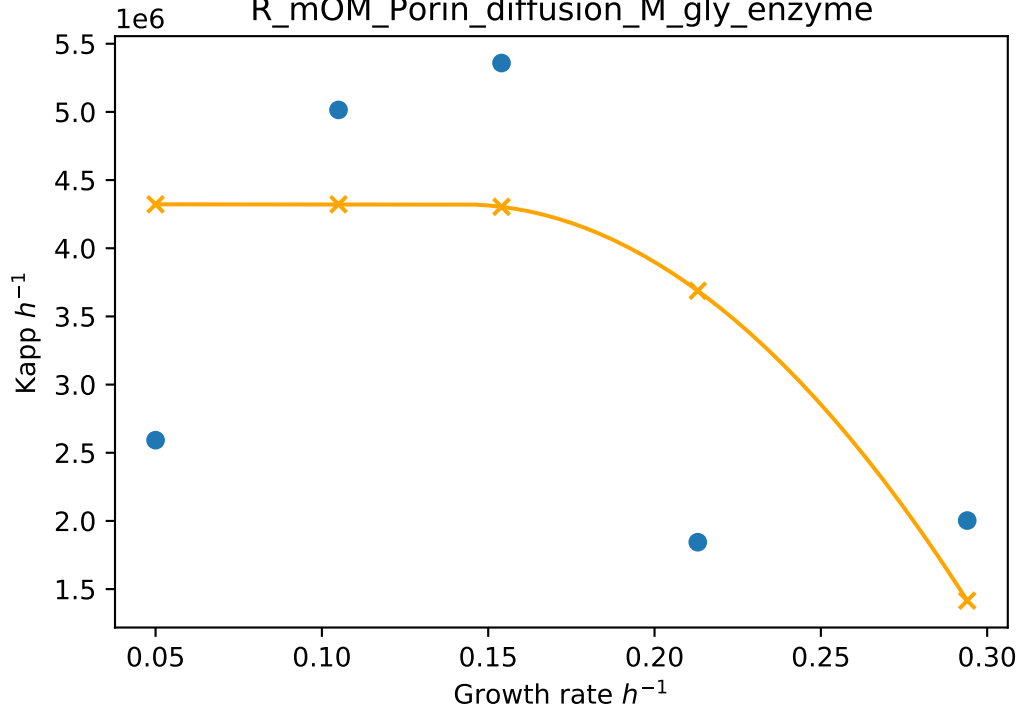


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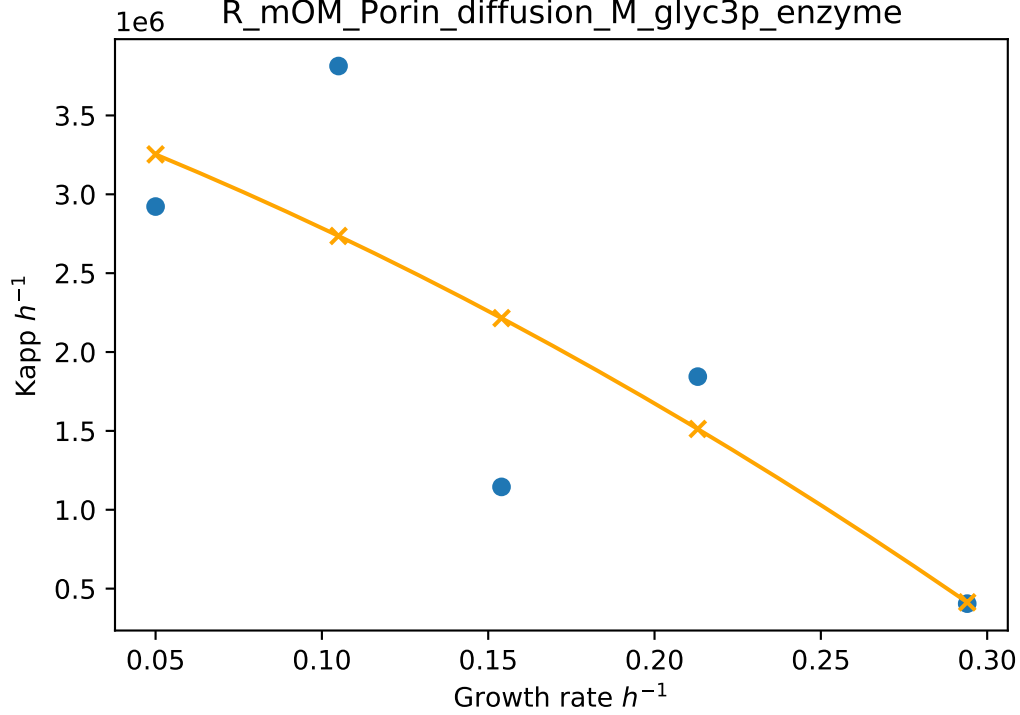
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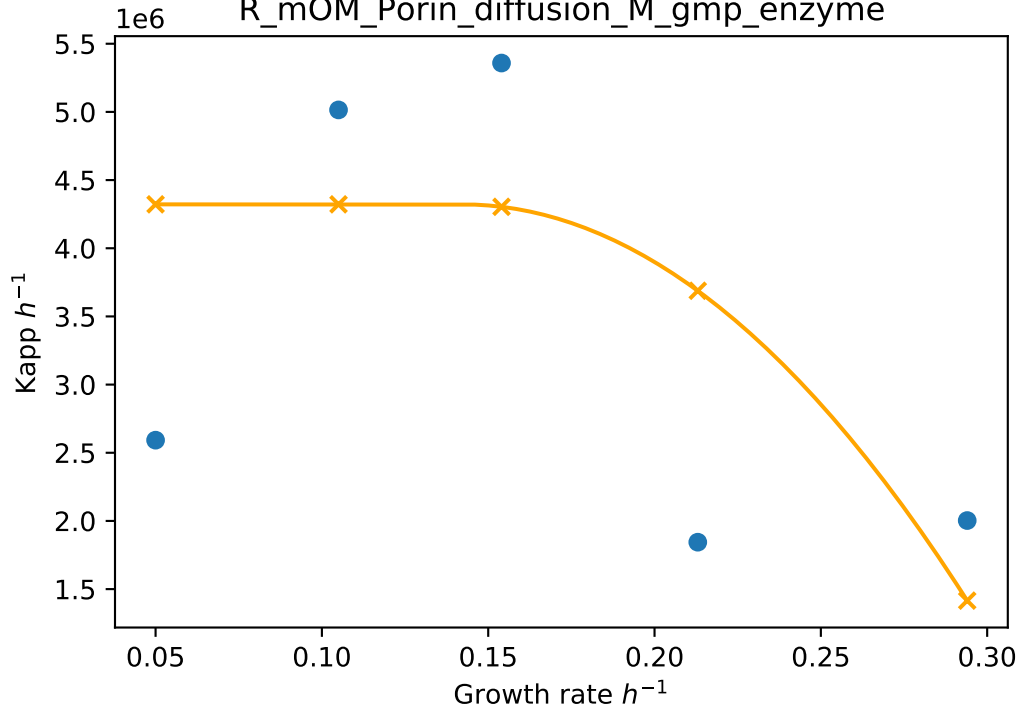
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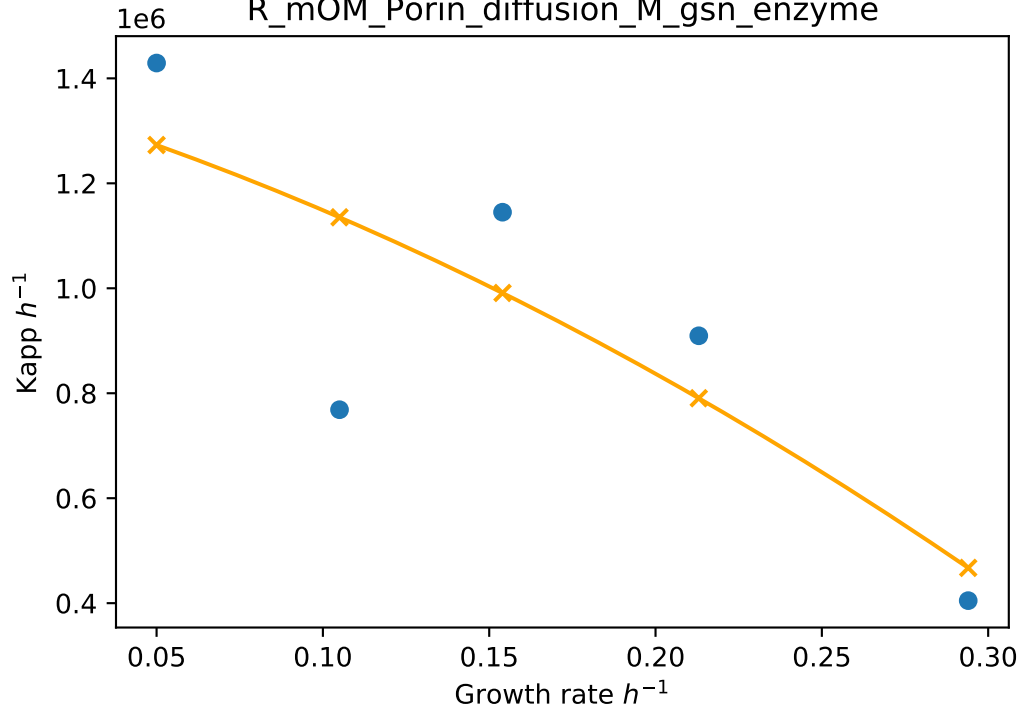
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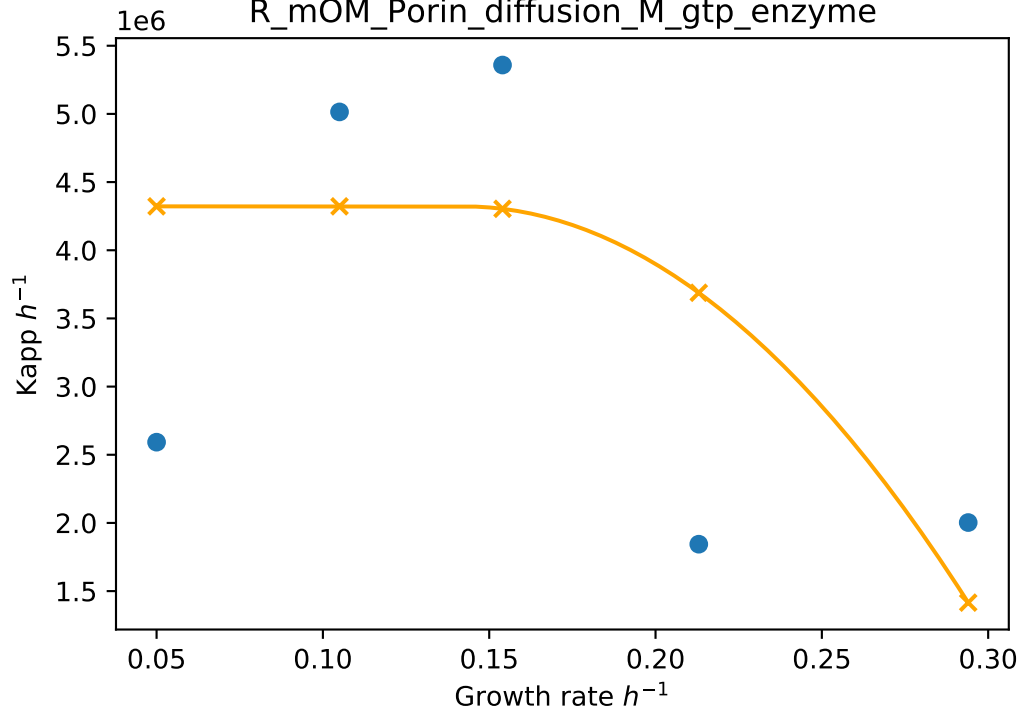
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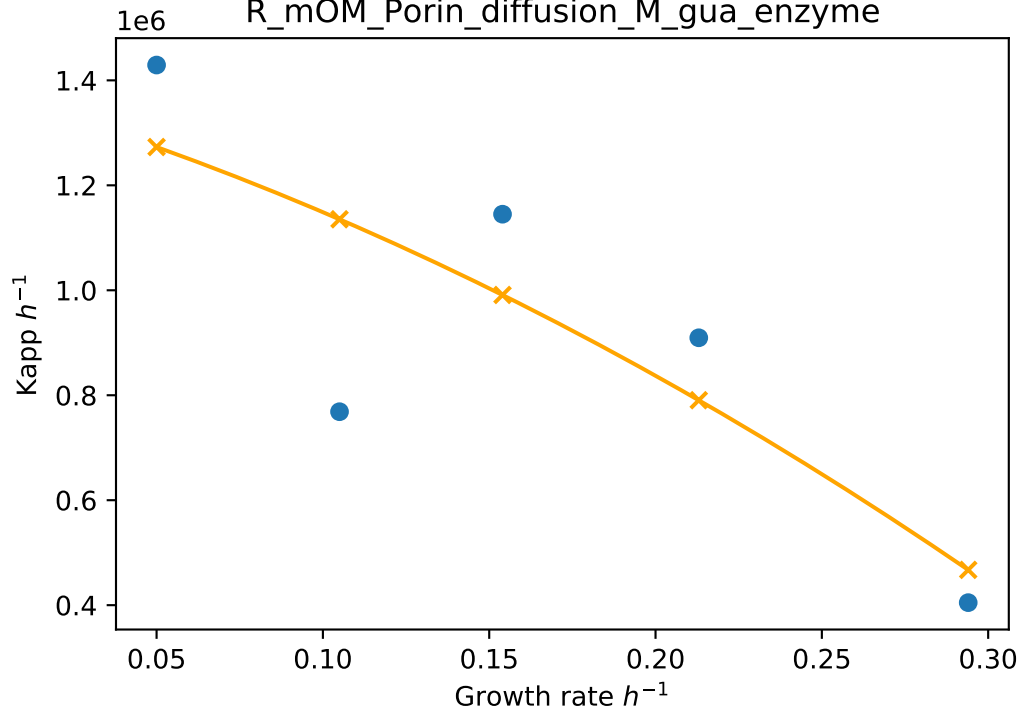
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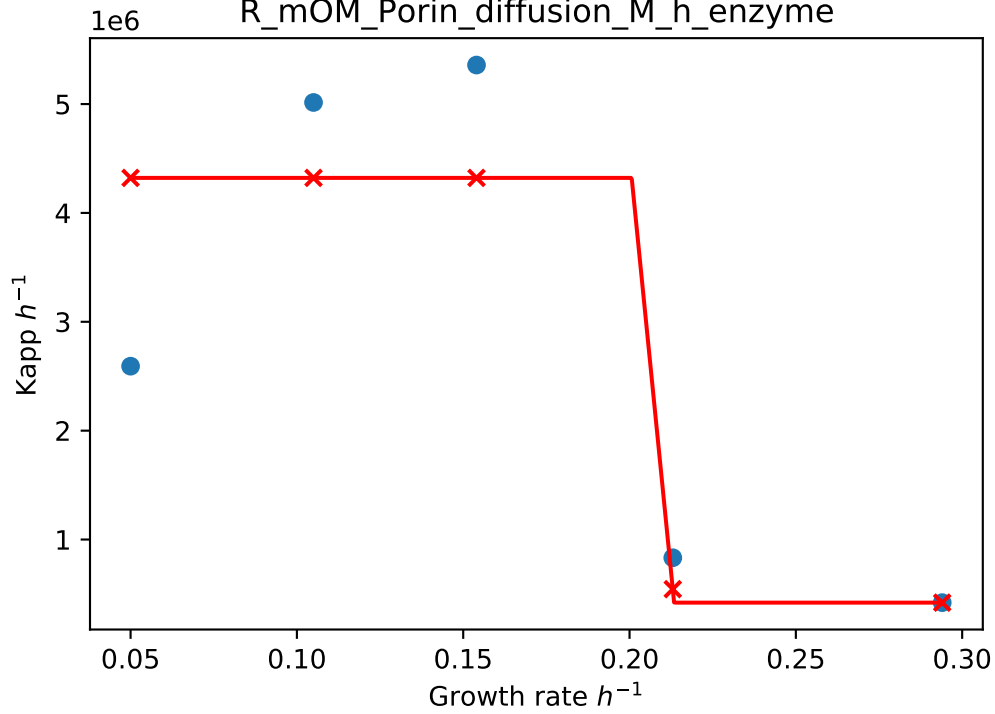
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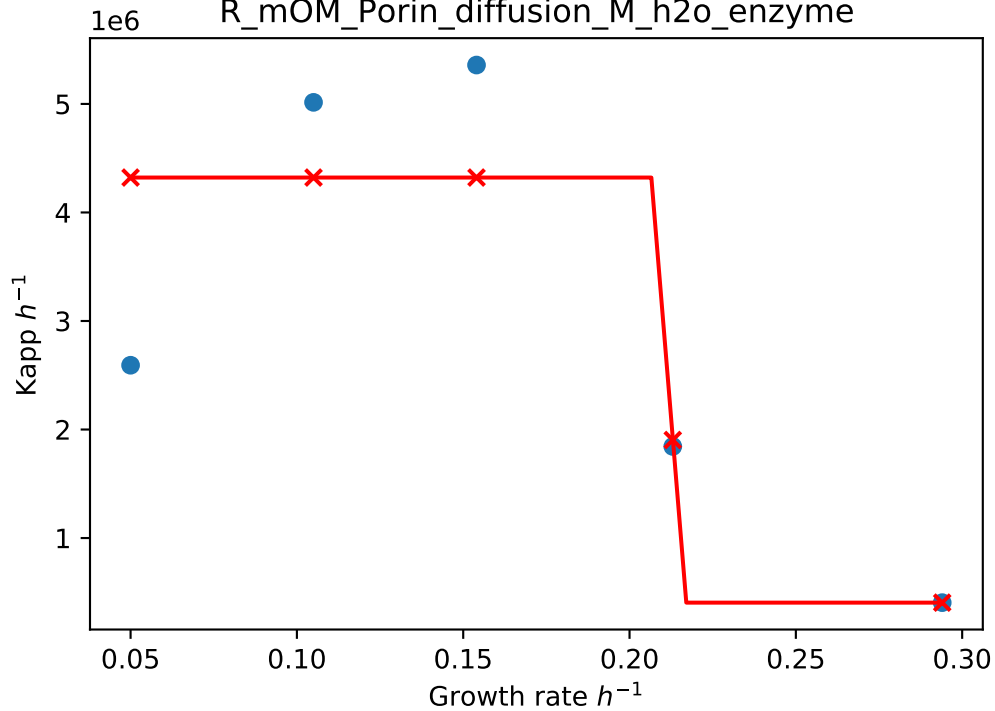
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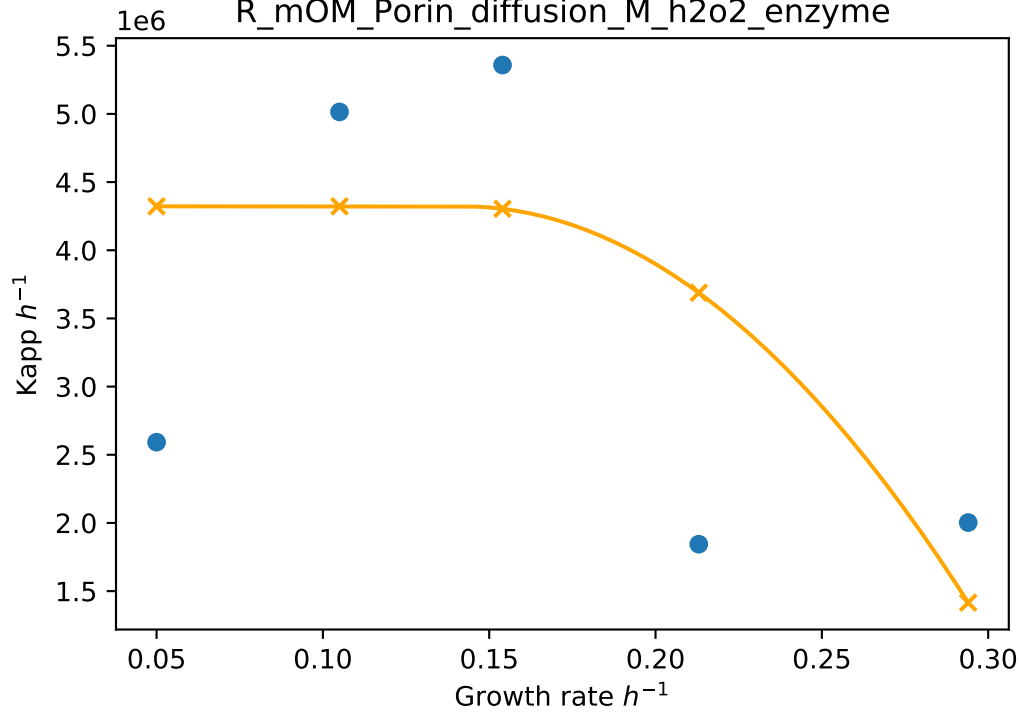
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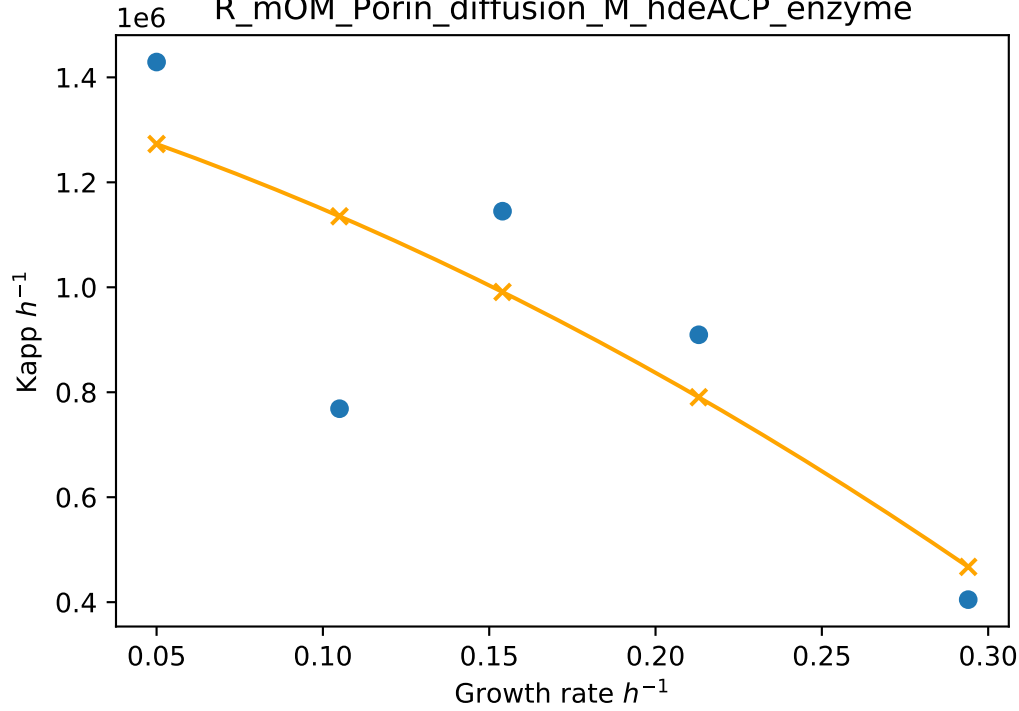
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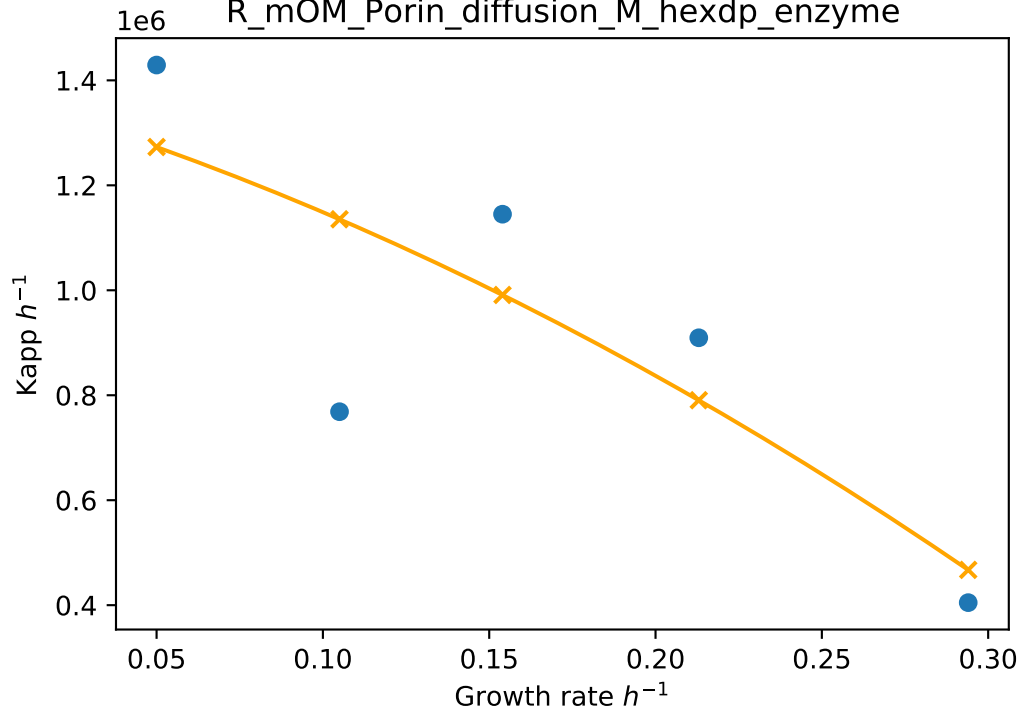
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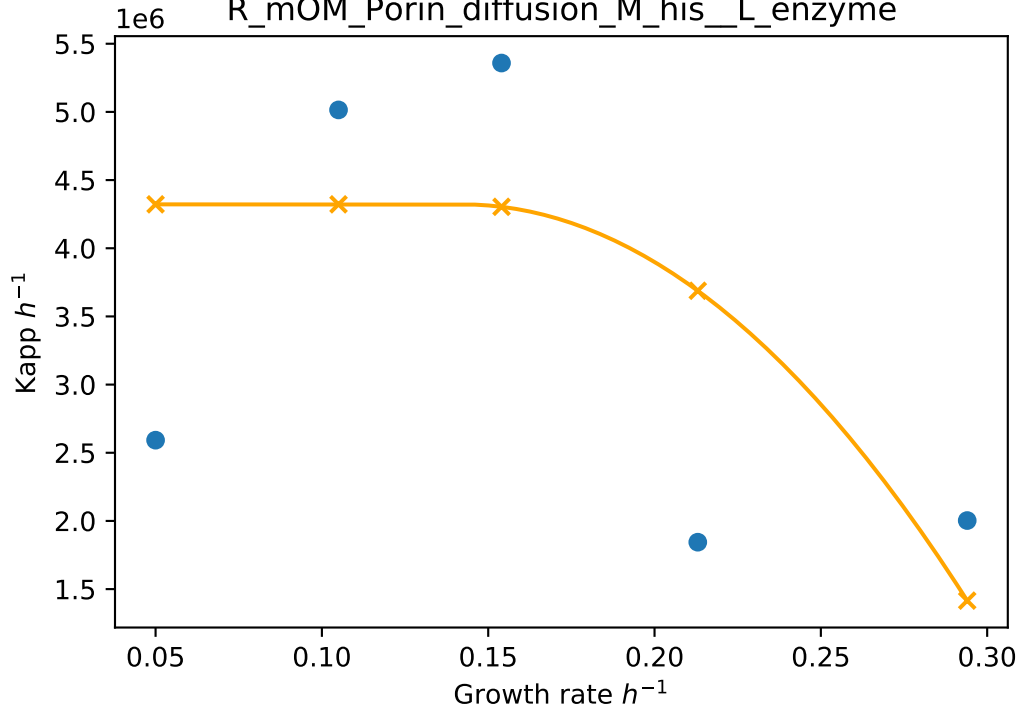
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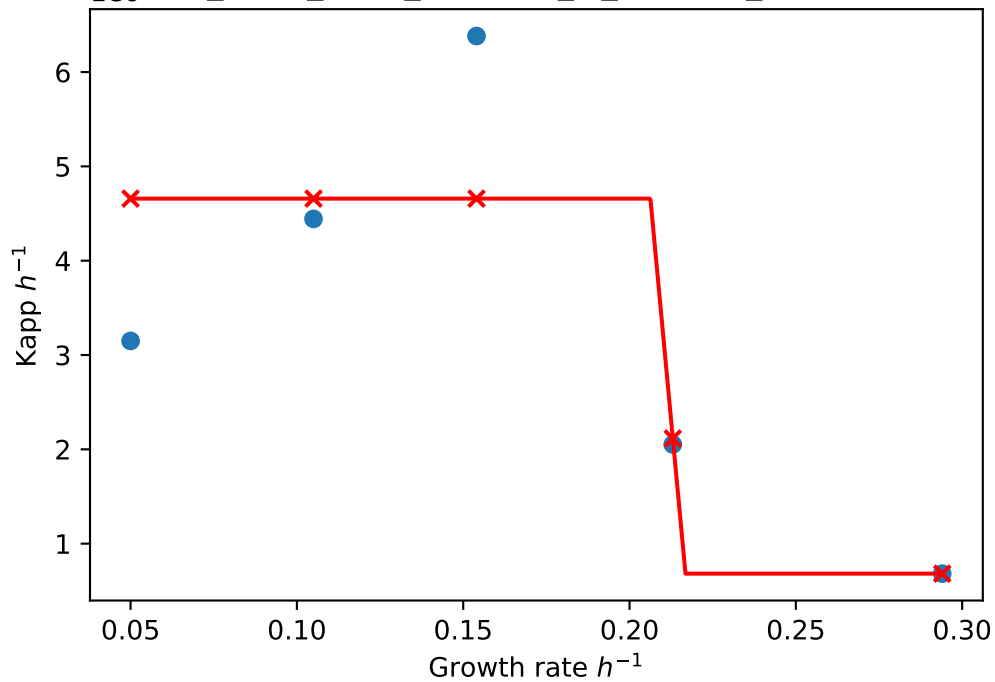
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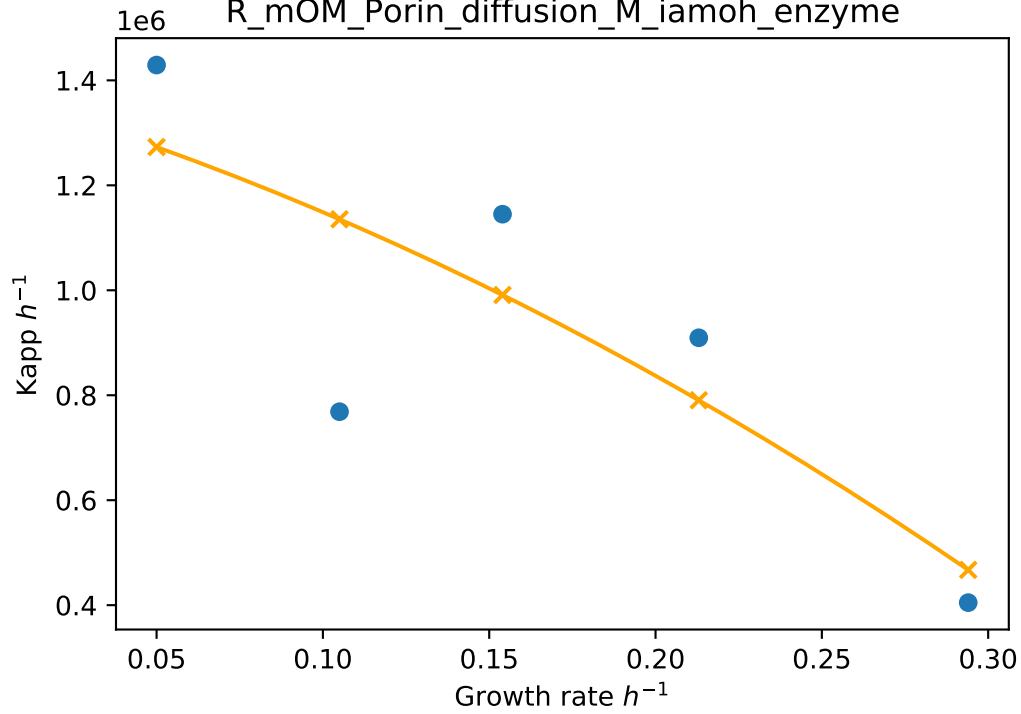
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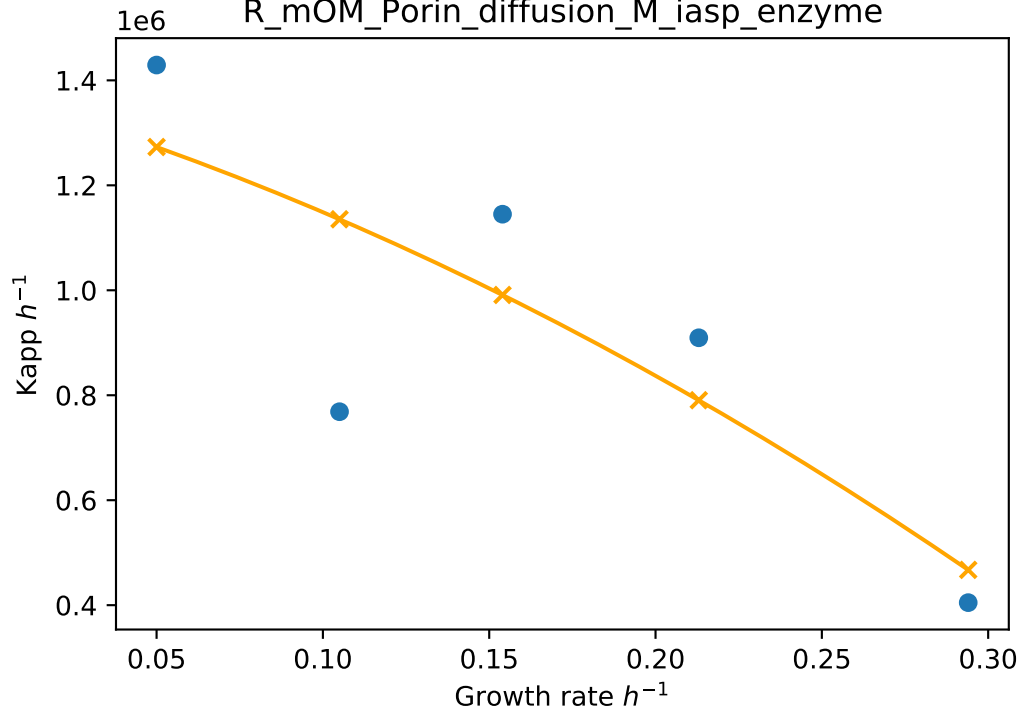
1e6 R_mOM_Porin_diffusion_M_hmgcoa_enzyme



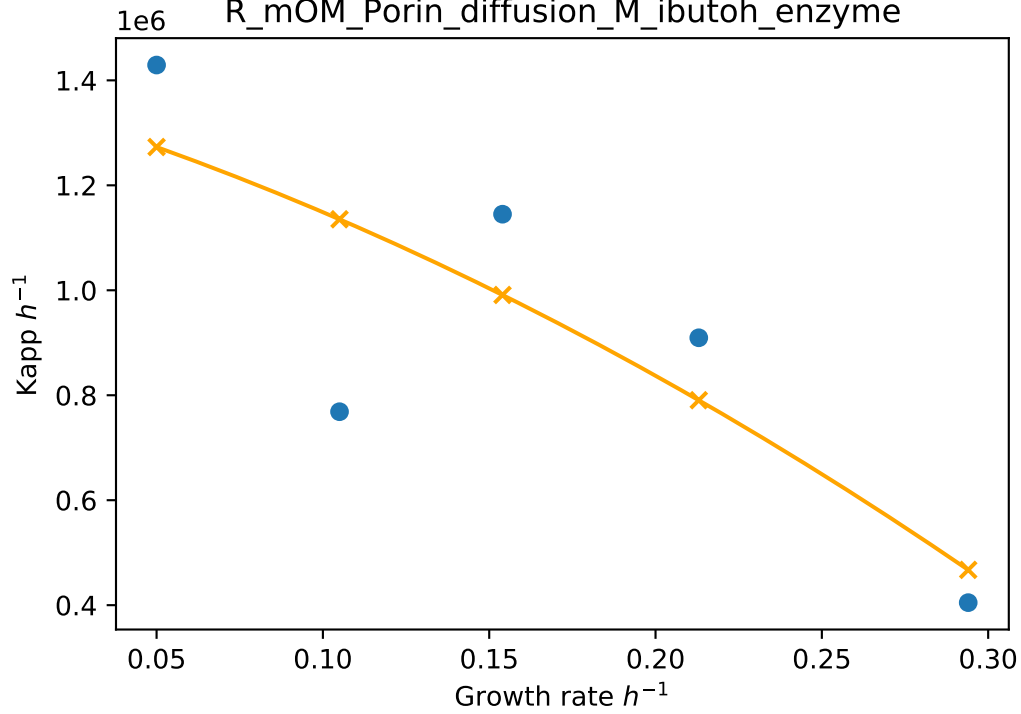
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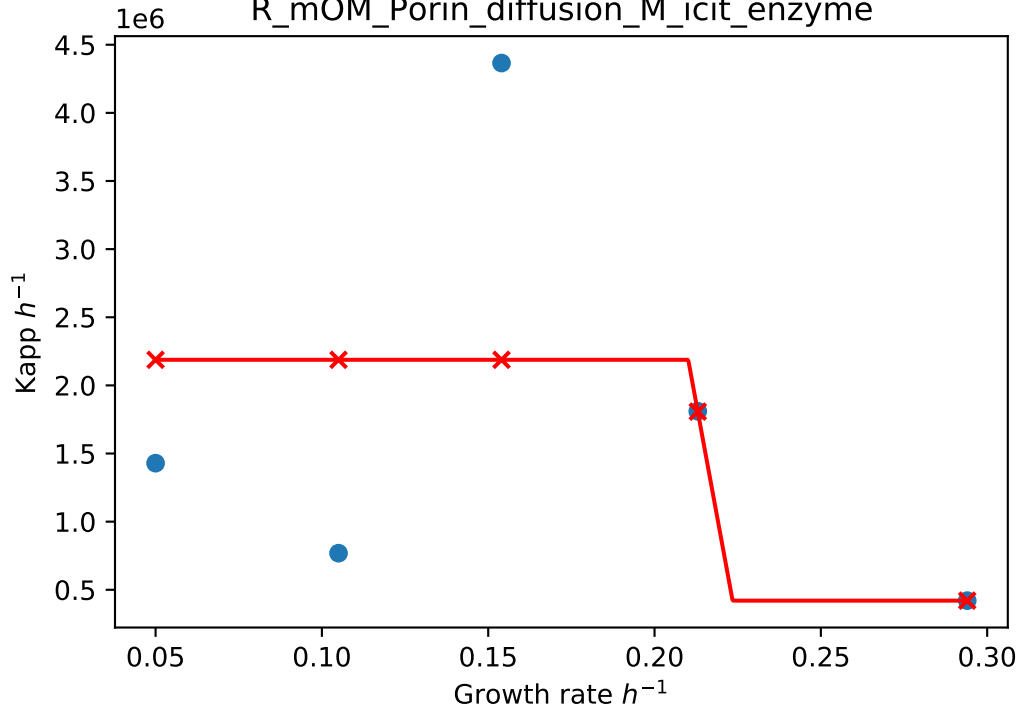
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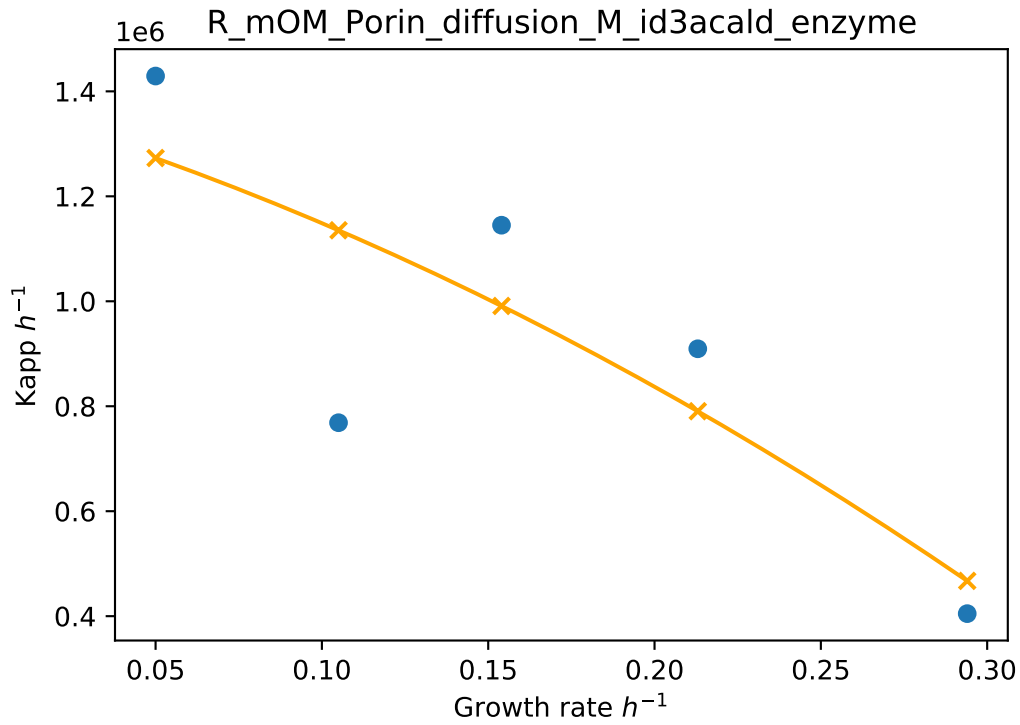


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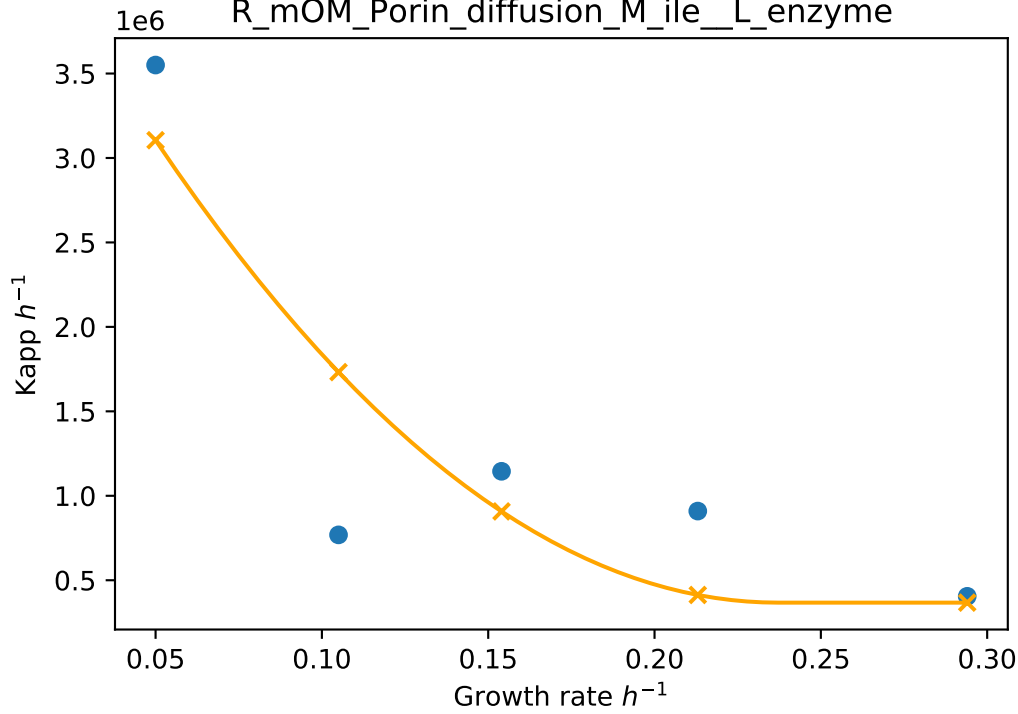


R_mOM_Porin_diffusion_M_icit_enzyme

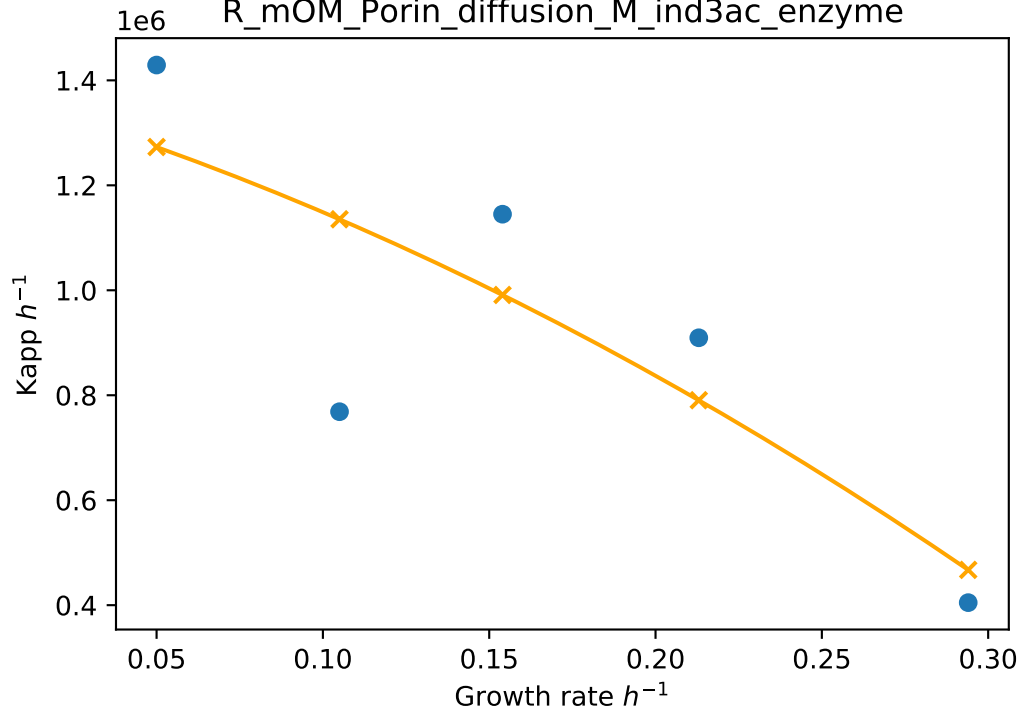




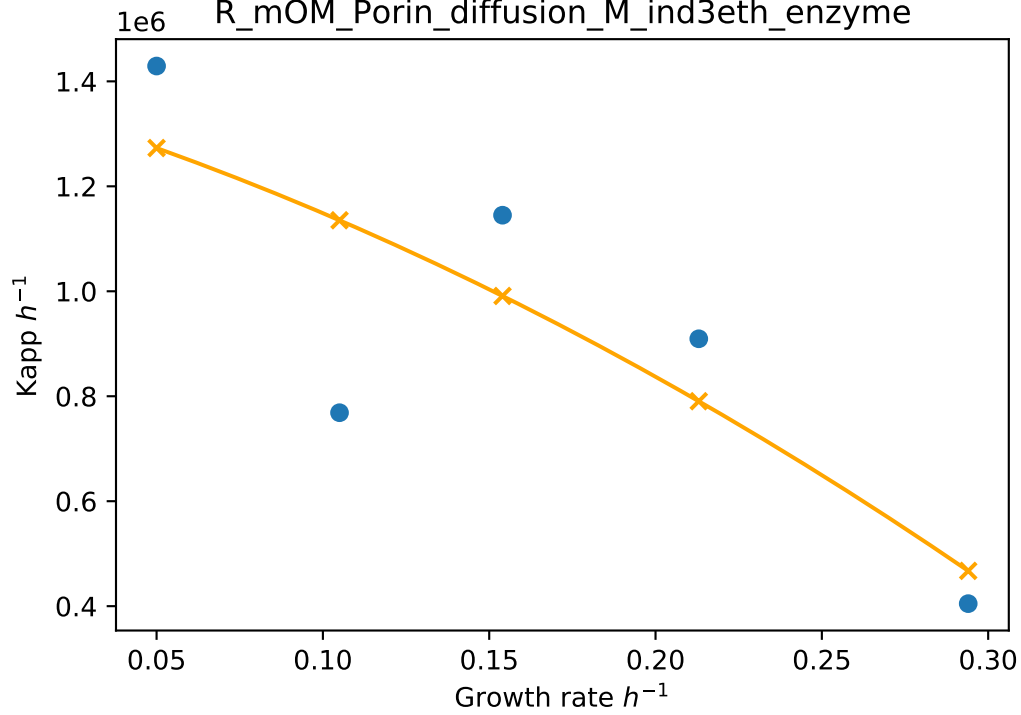
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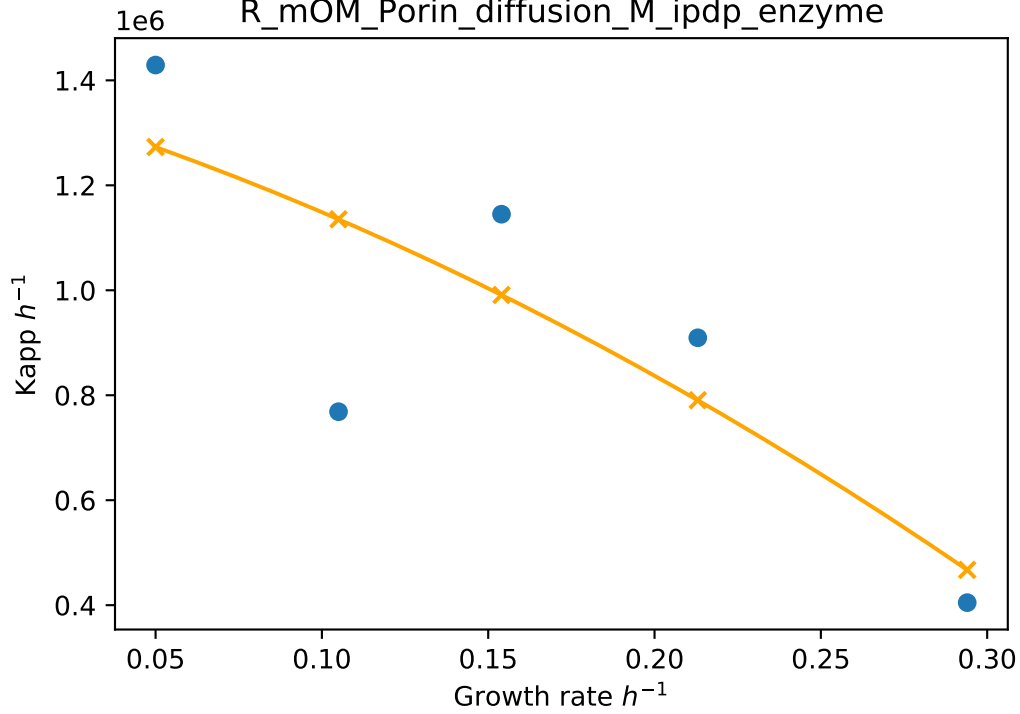
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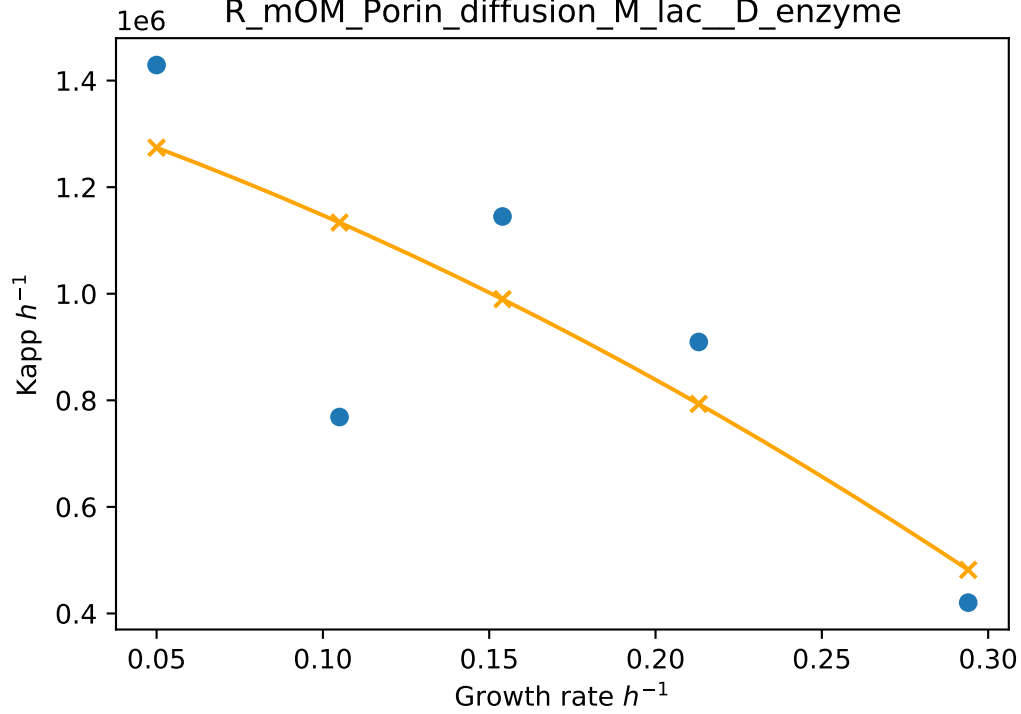
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R_mOM_Porin_diffusion_M_ipdp_enzyme

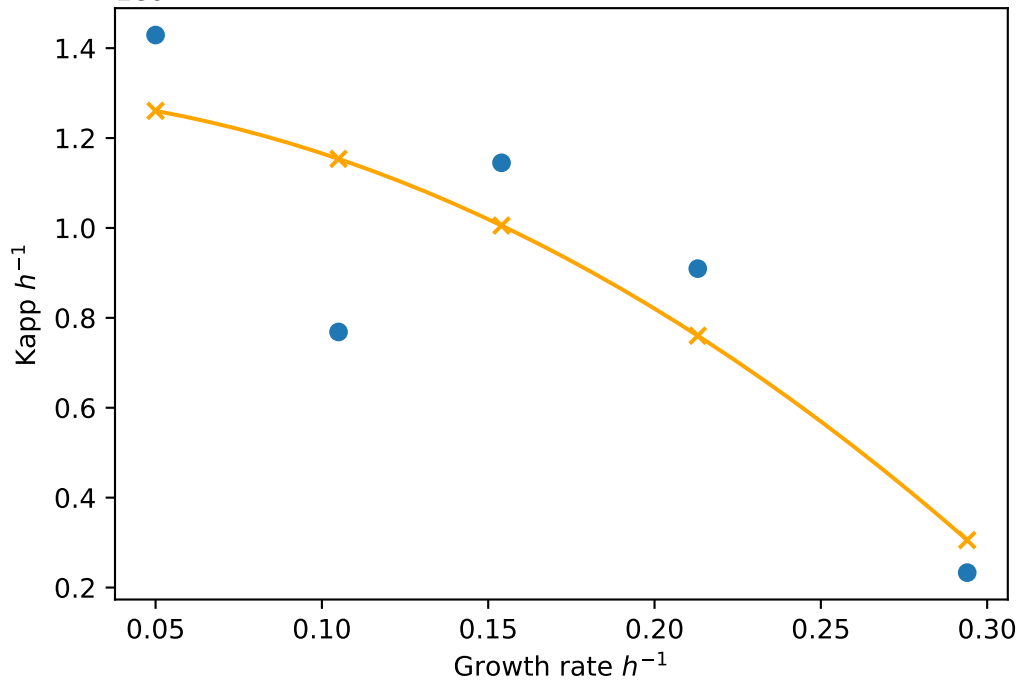


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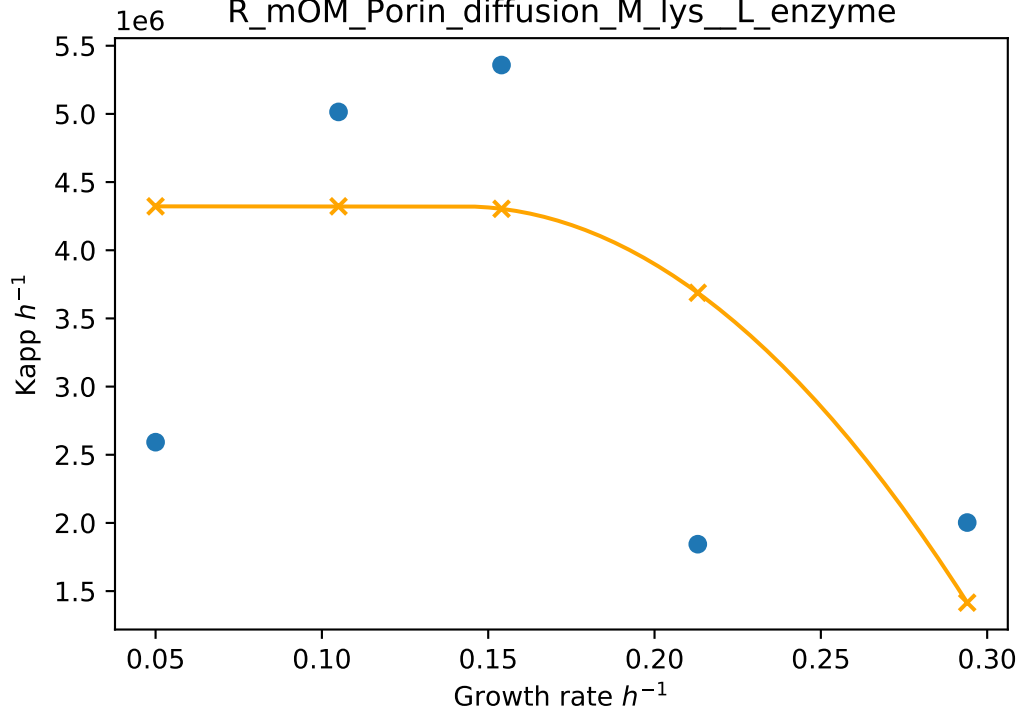


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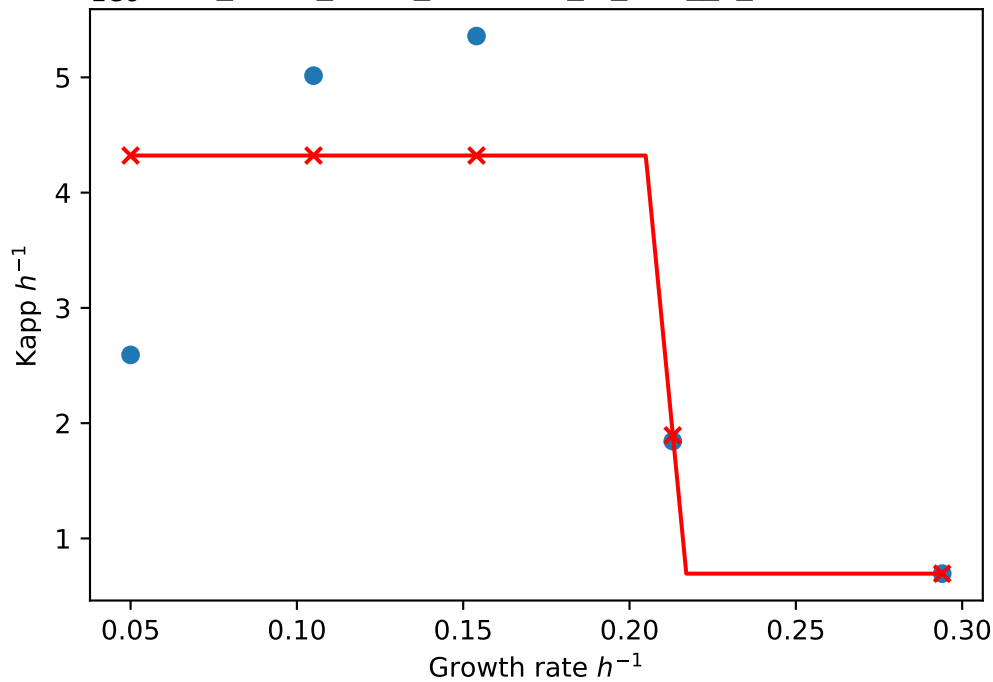
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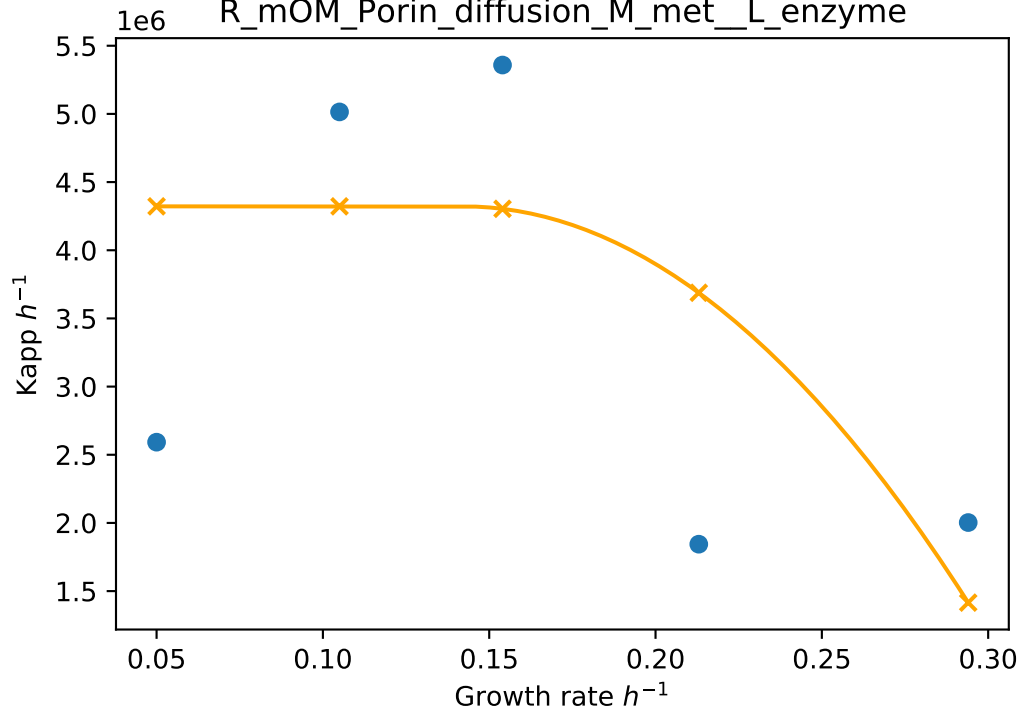
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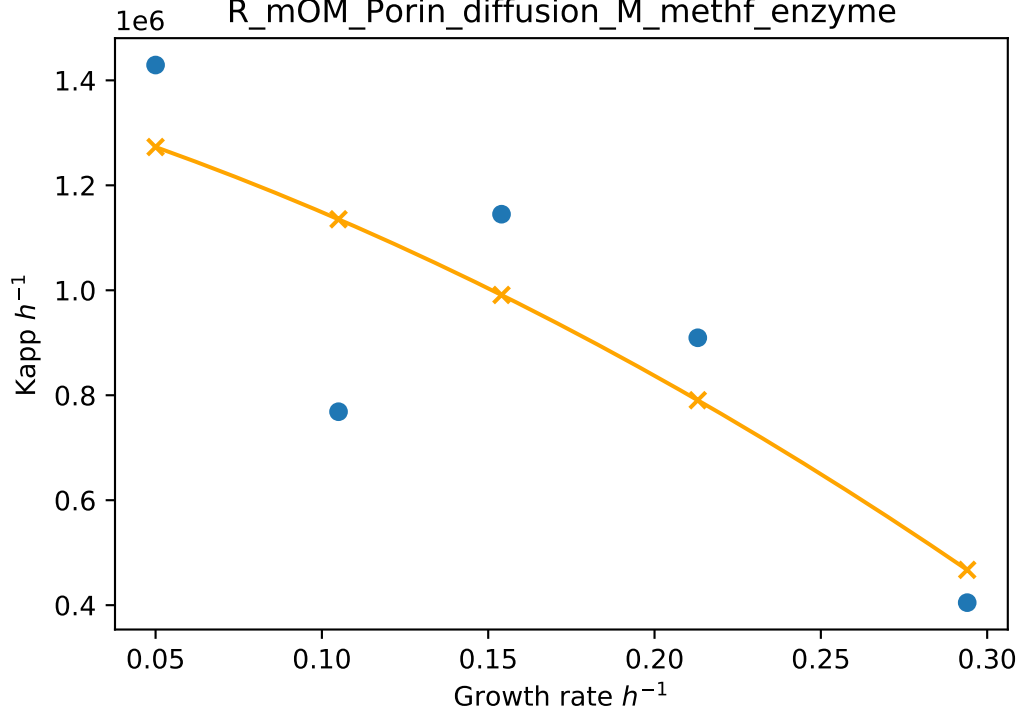
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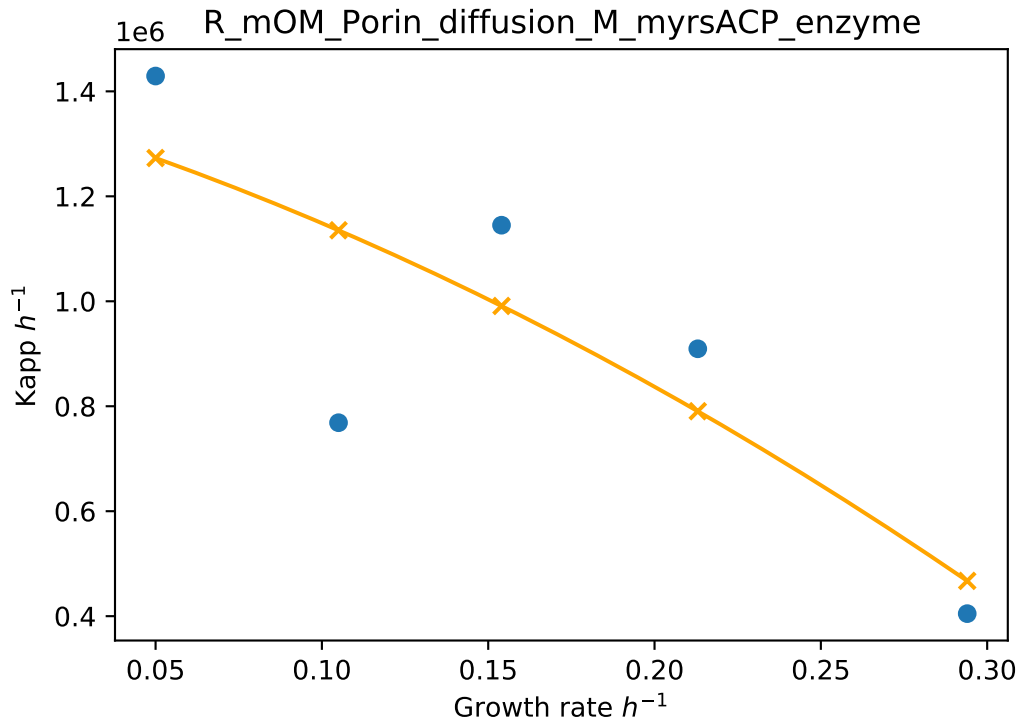


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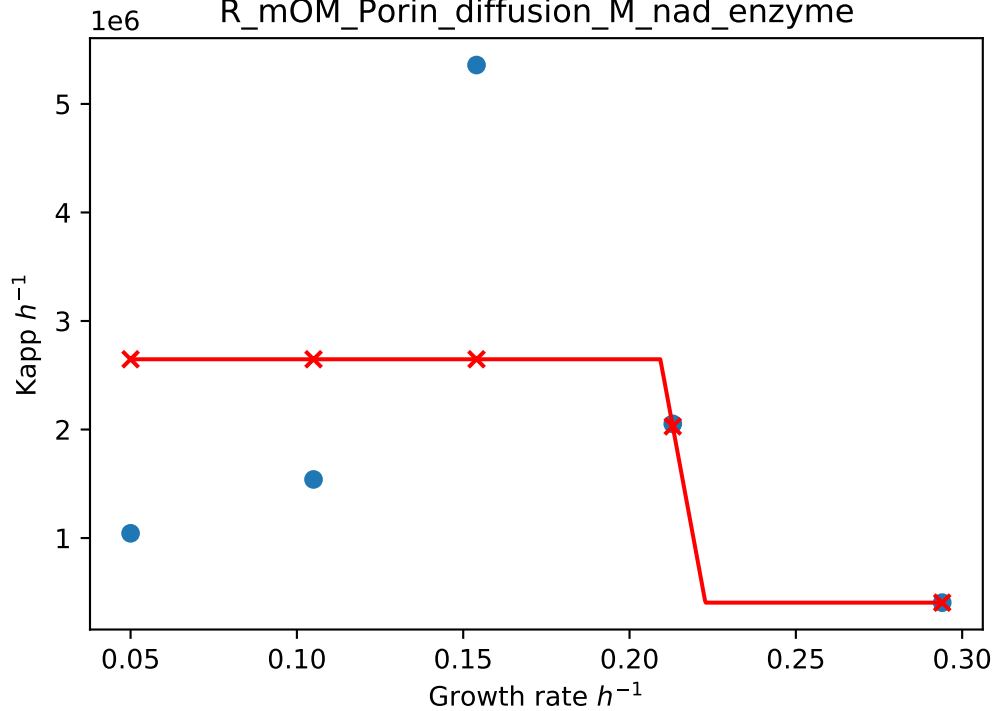


R_mOM_Porin_diffusion_M_methf_enzyme

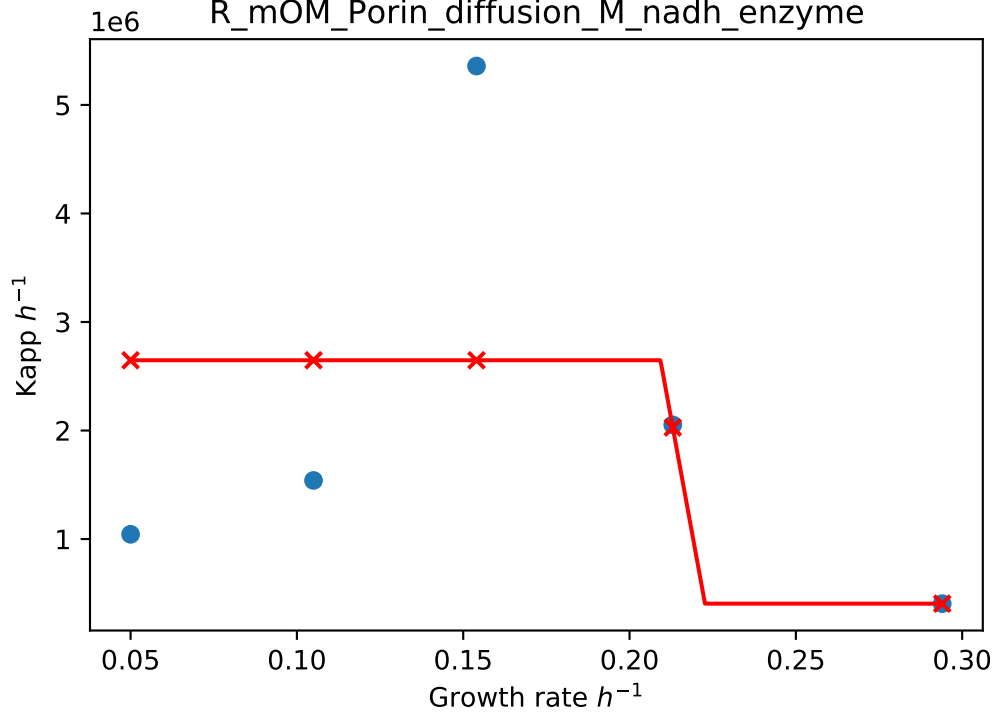




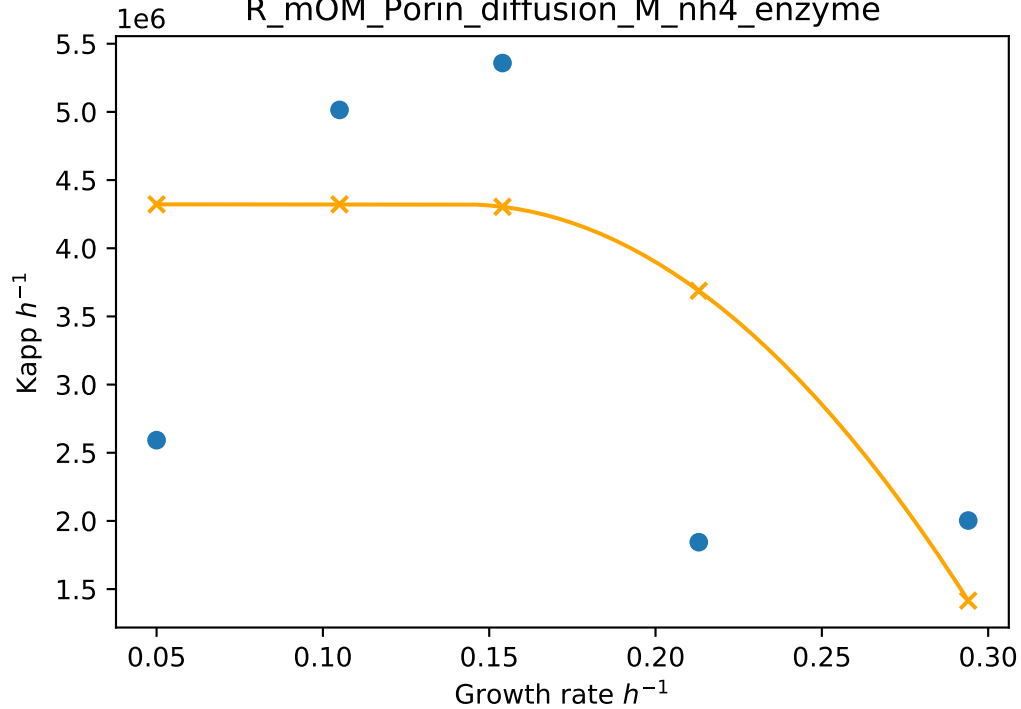
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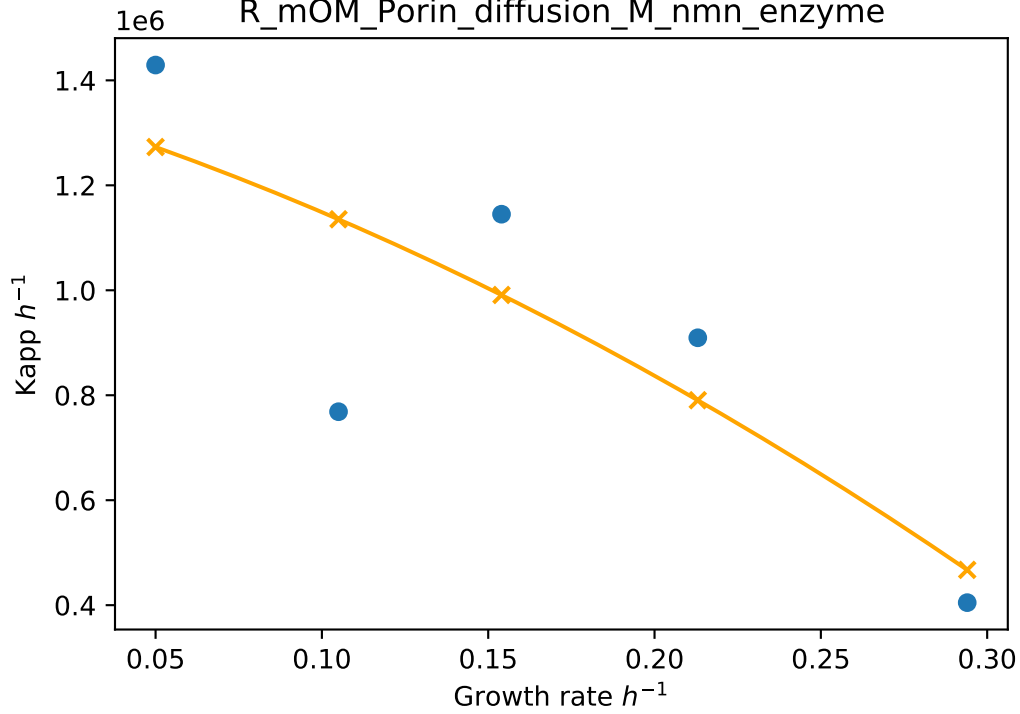
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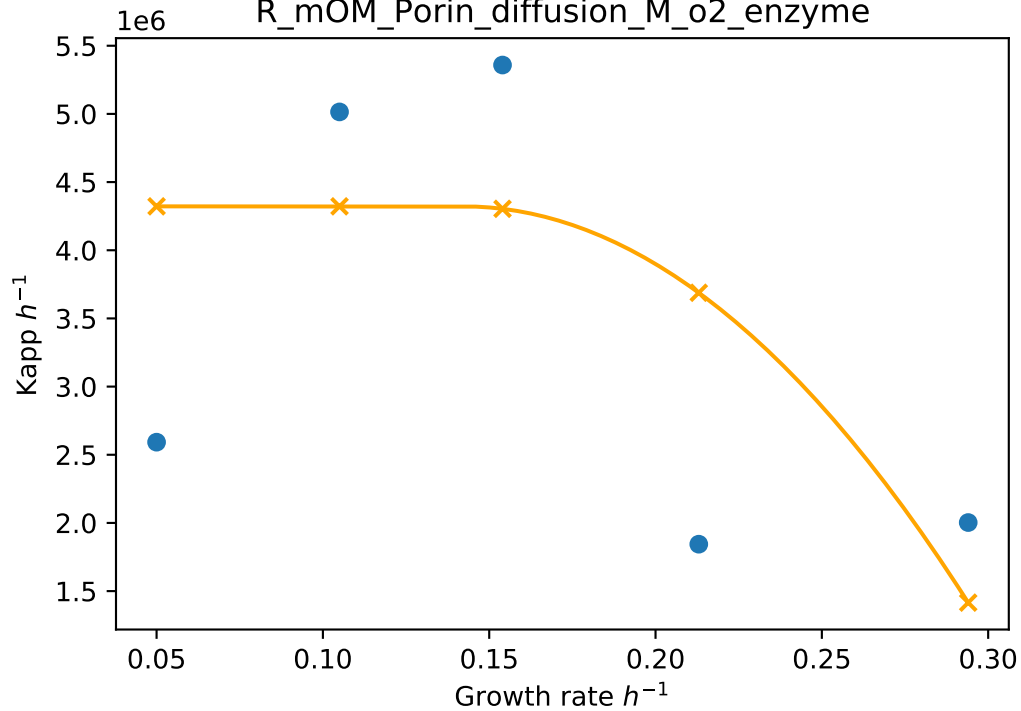
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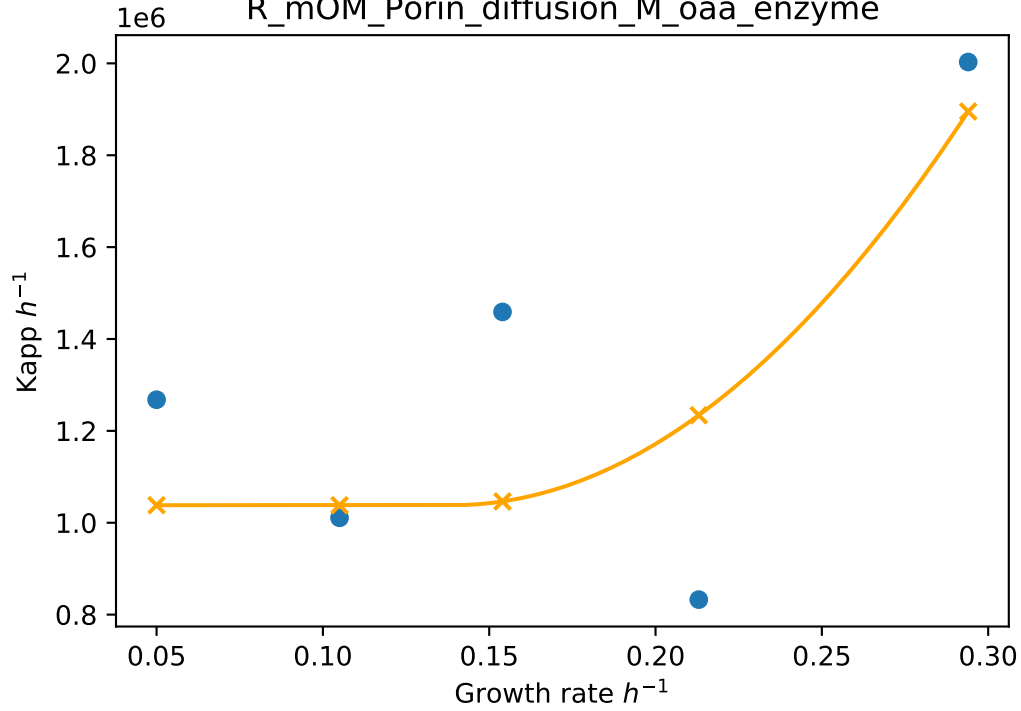
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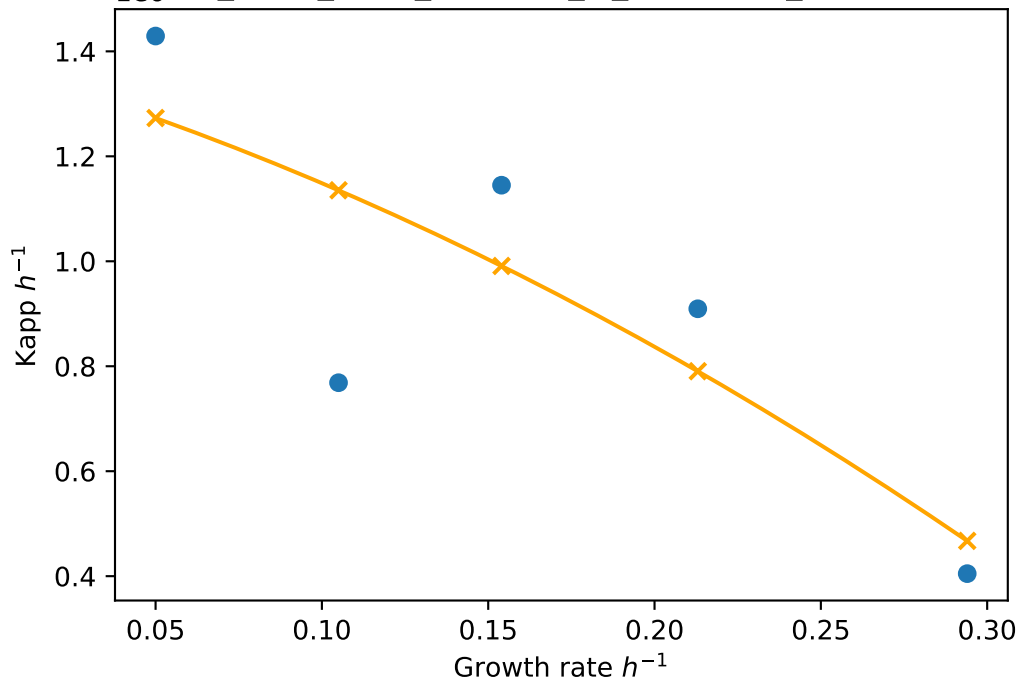
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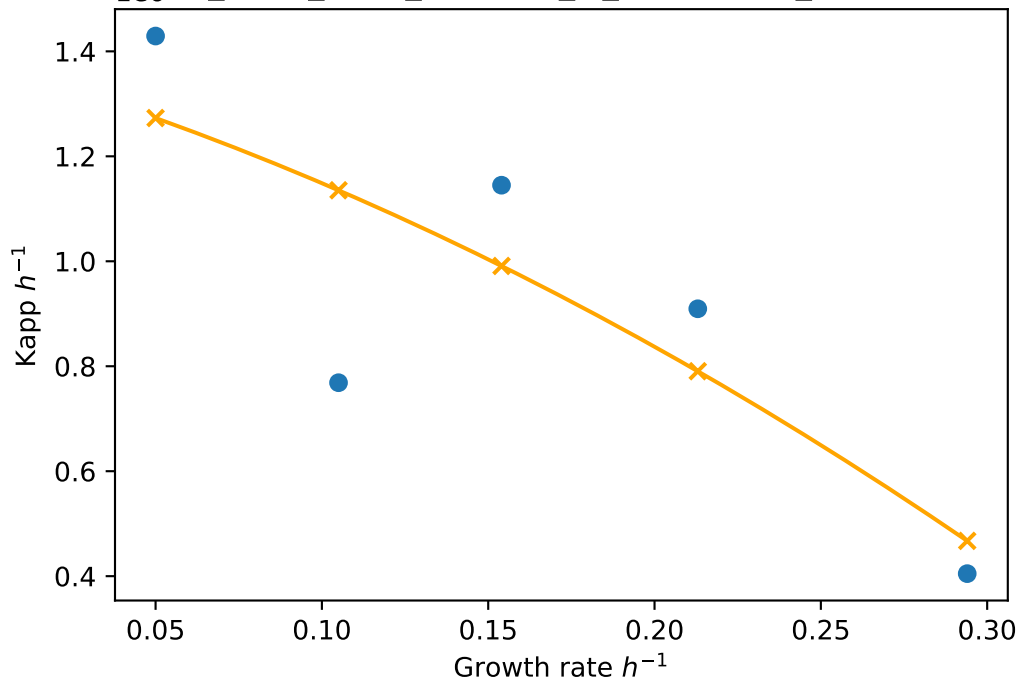
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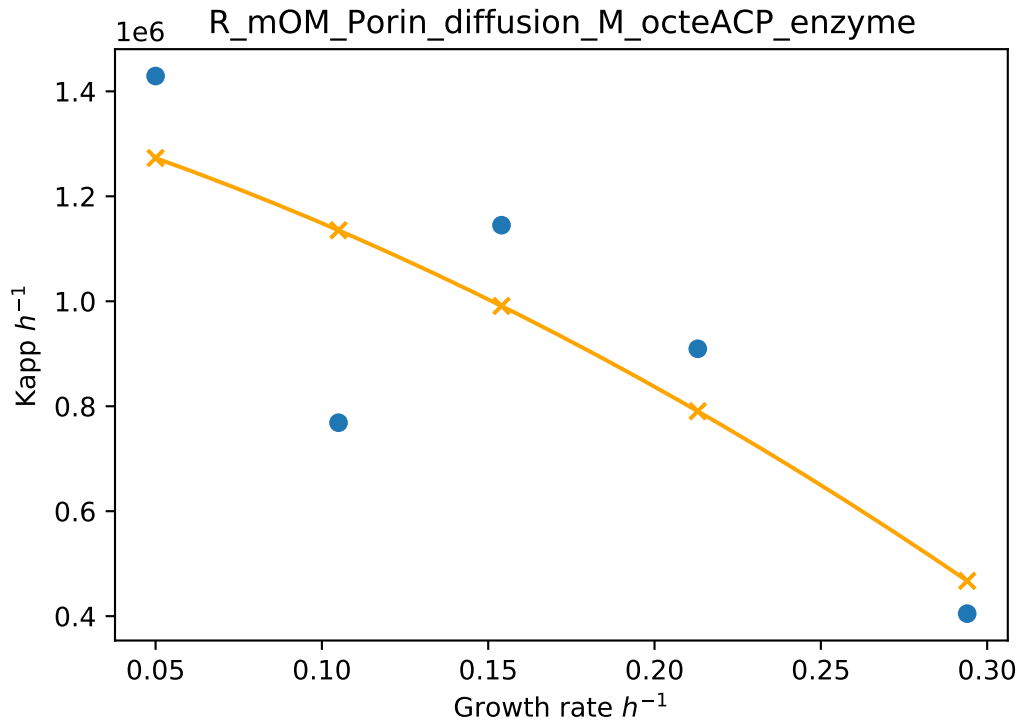


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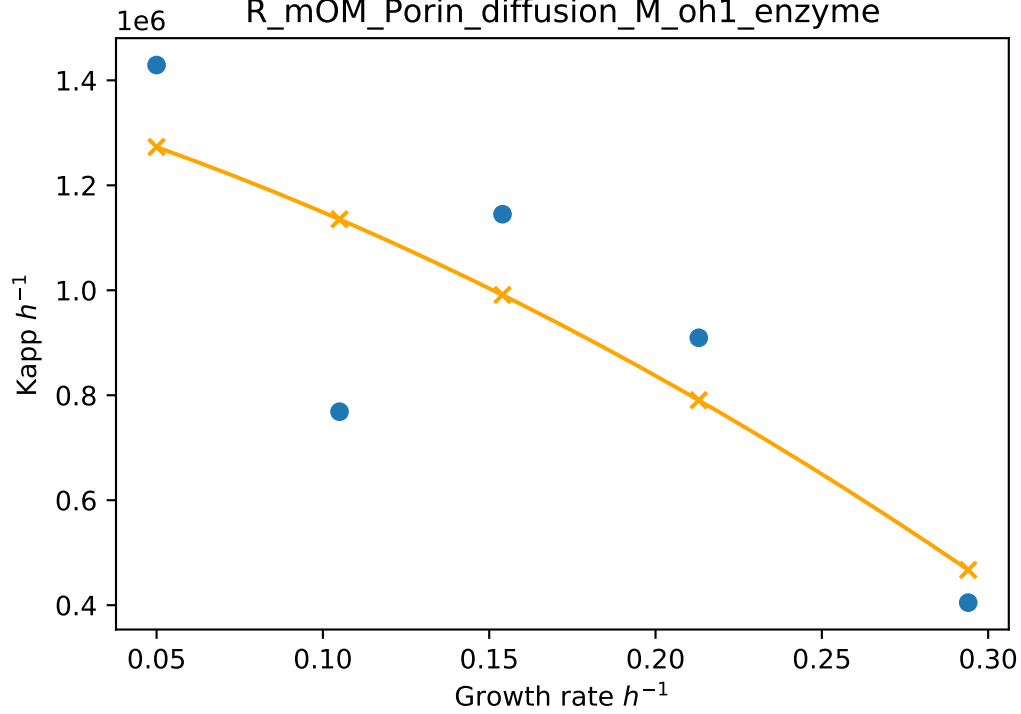


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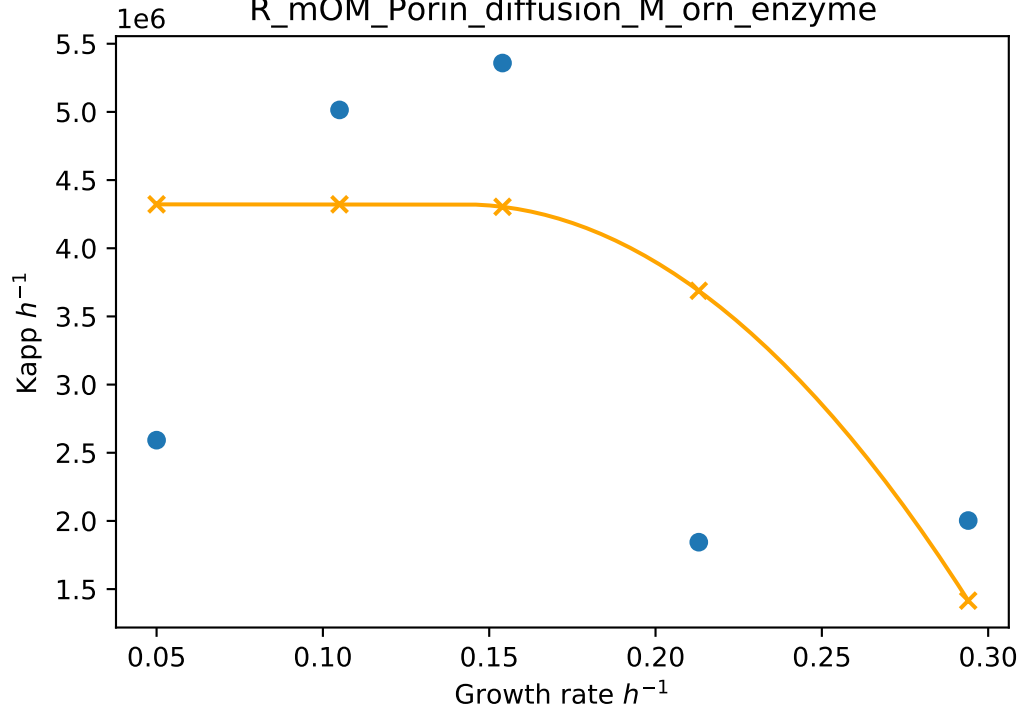




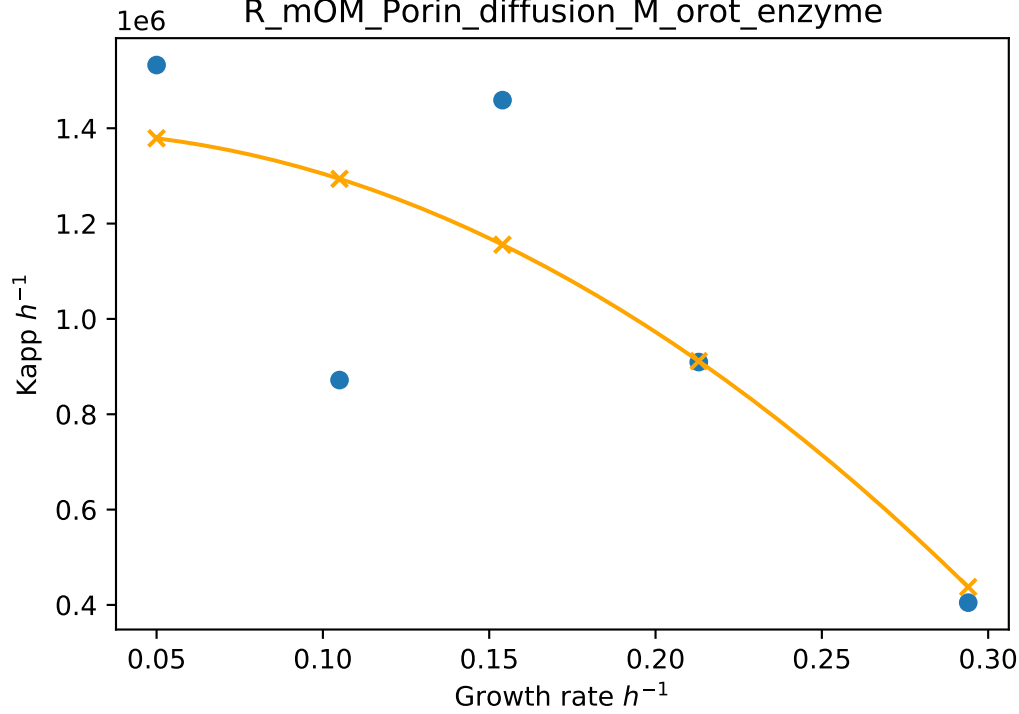
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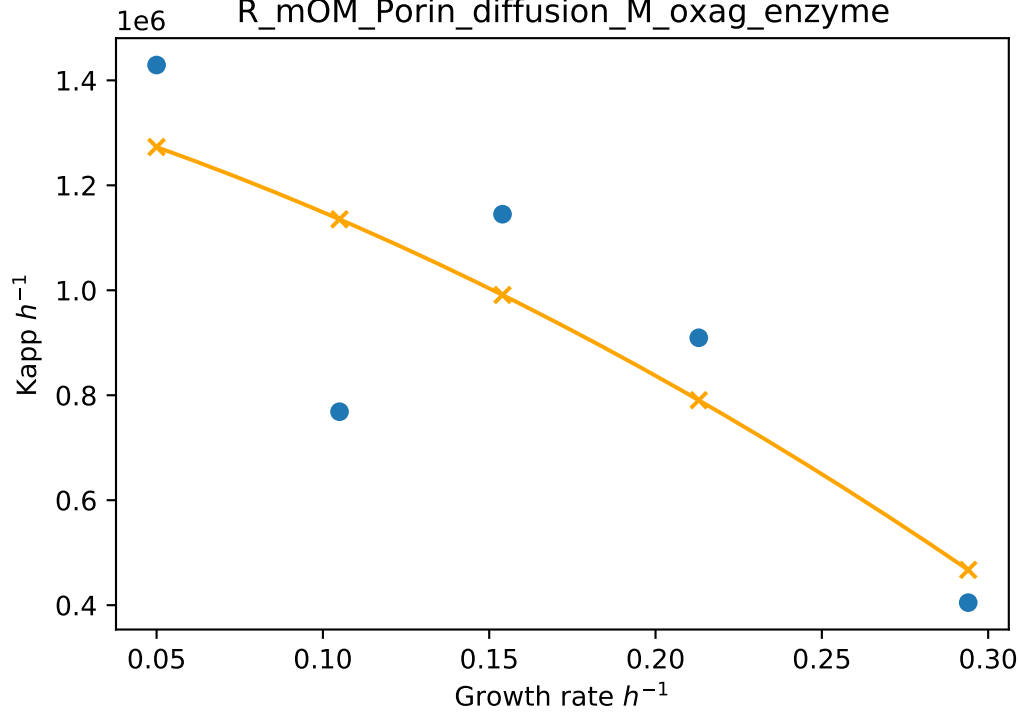
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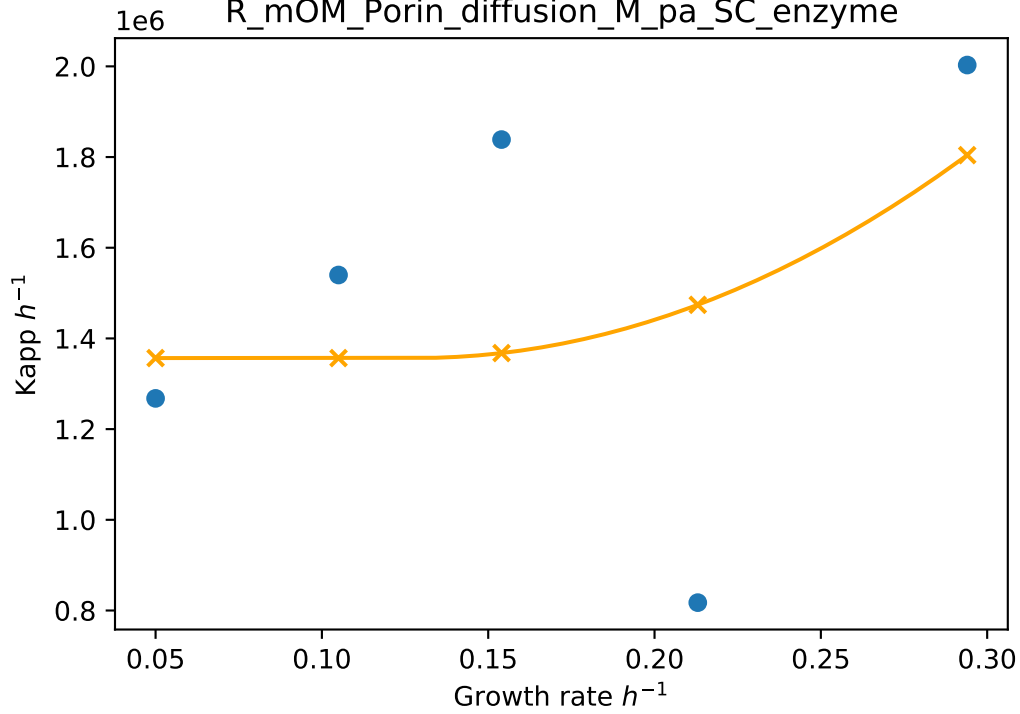
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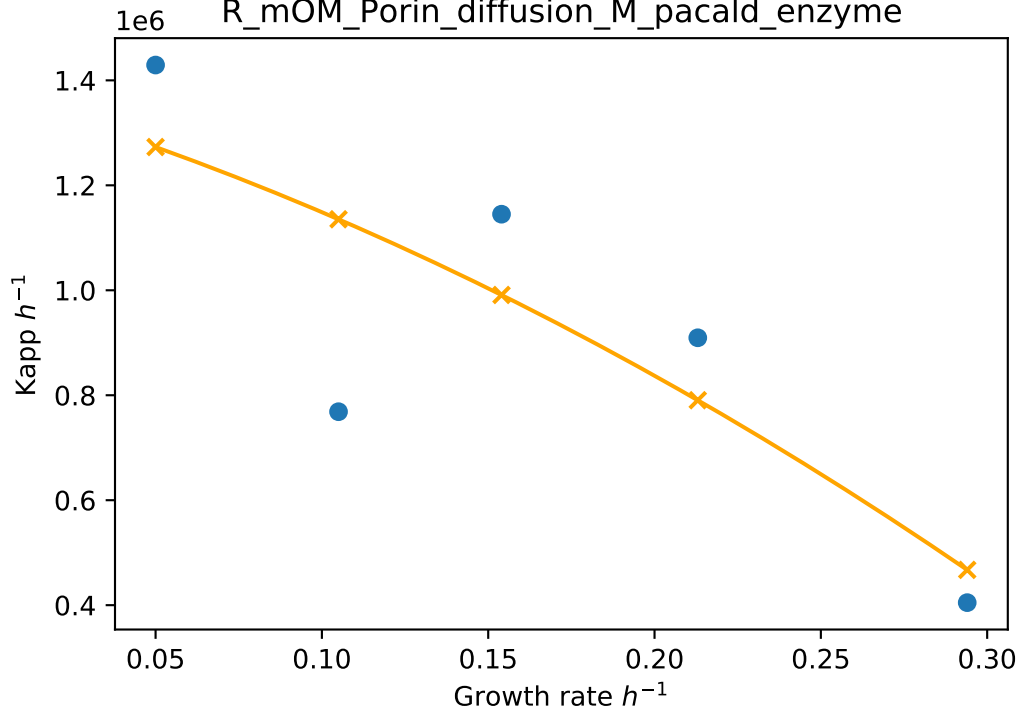
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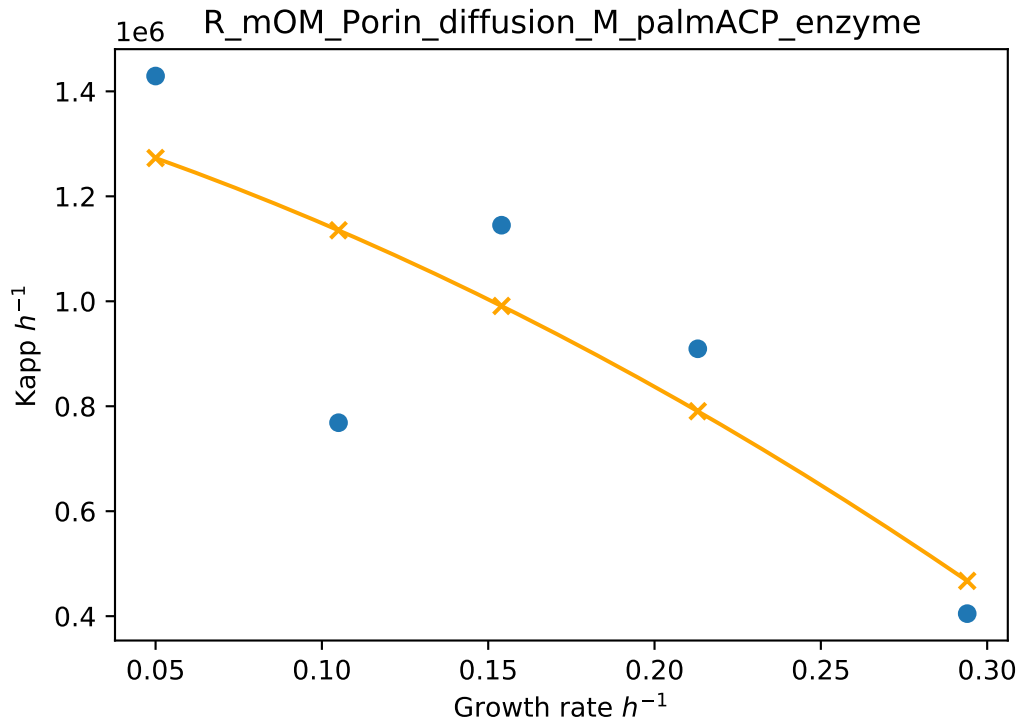


R_mOM_Porin_diffusion_M_pa_SC_enzyme

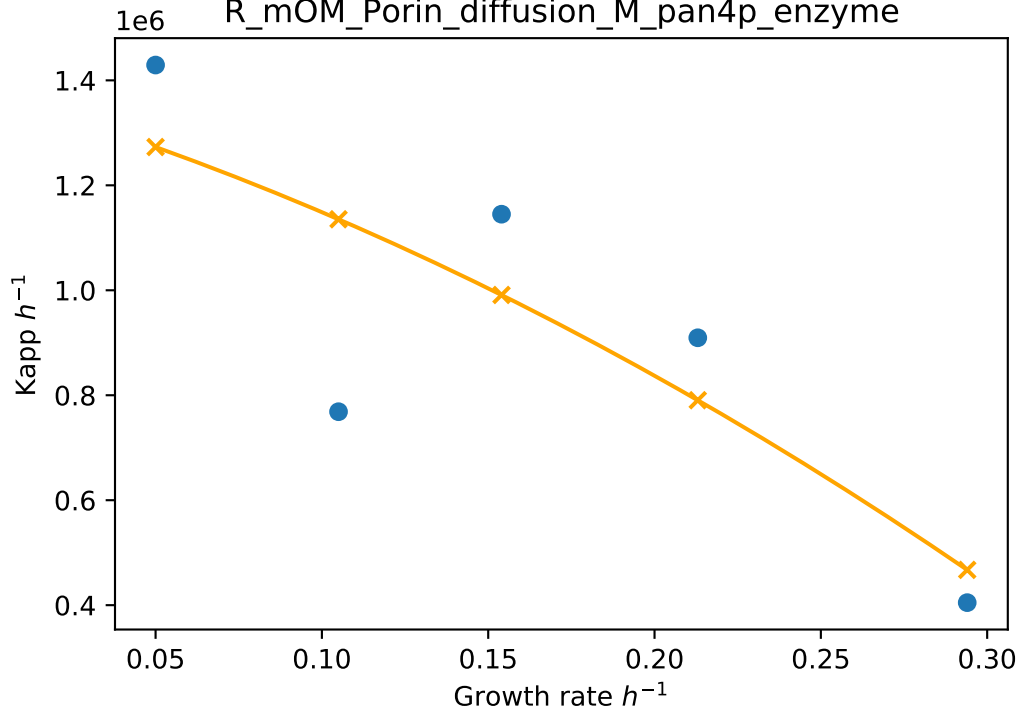


R_mOM_Porin_diffusion_M_pacald_enzyme



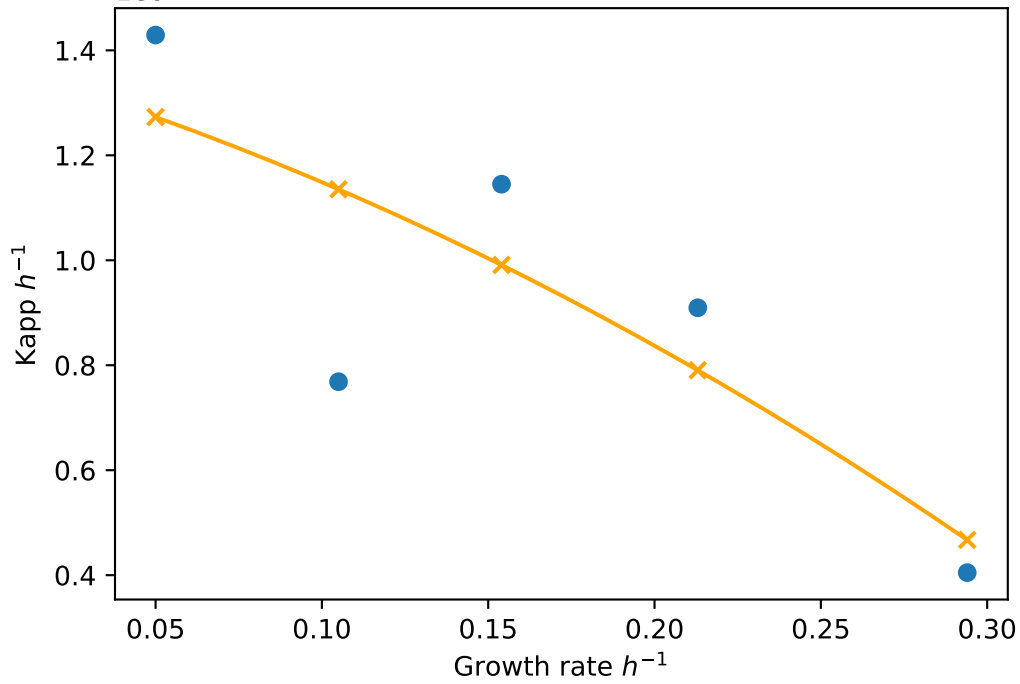


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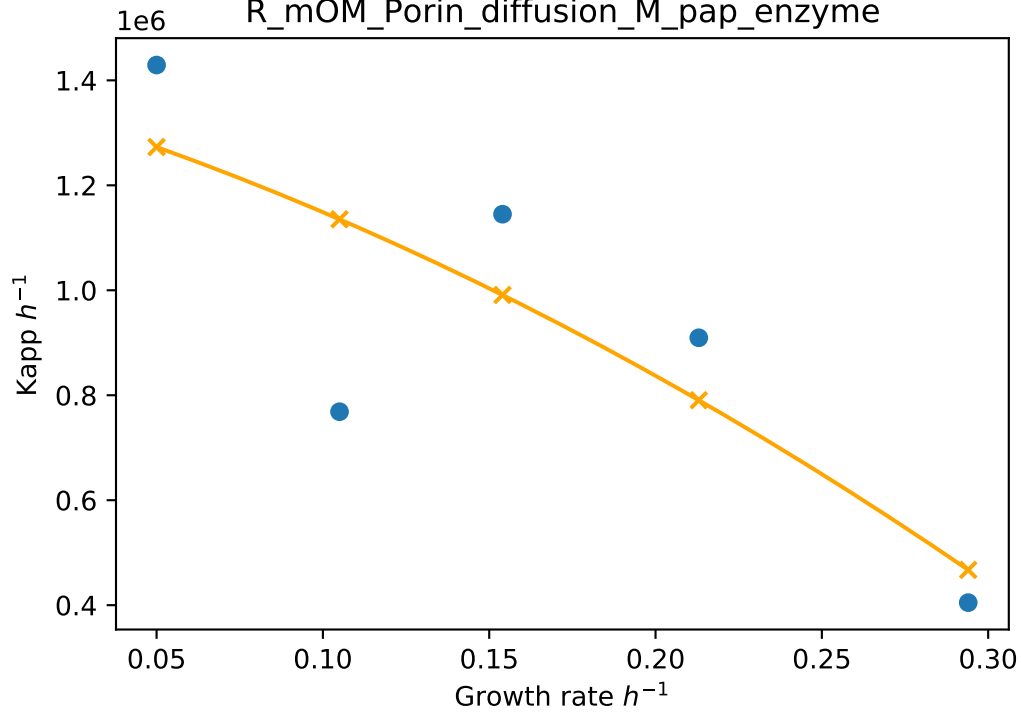


R_mOM_Porin_diffusion_M_pant__R_enzyme

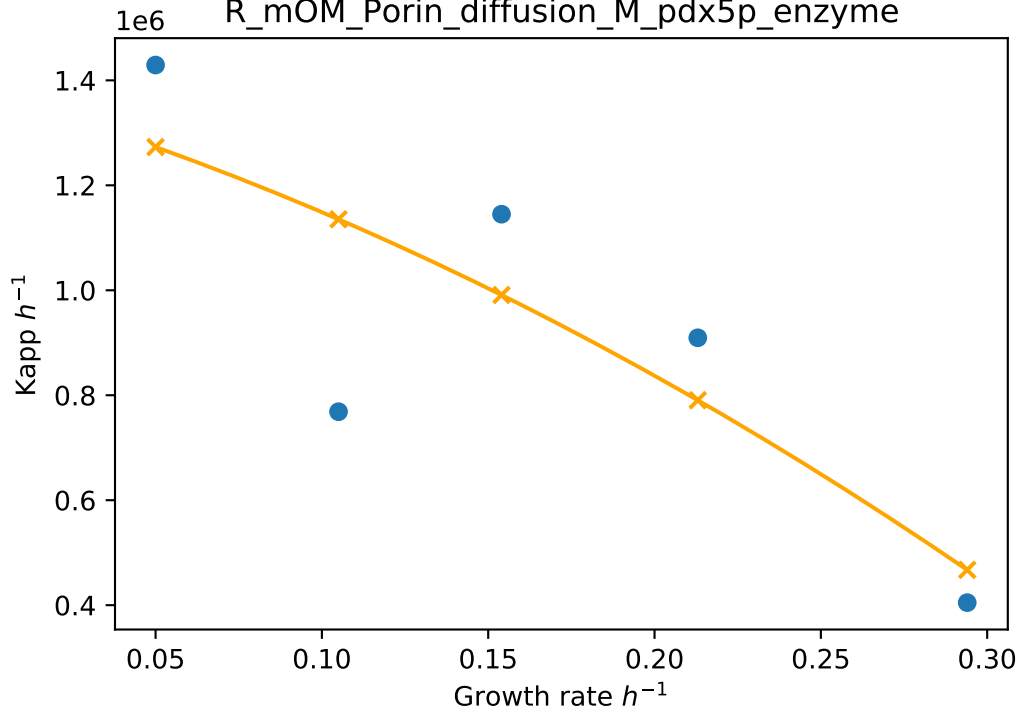
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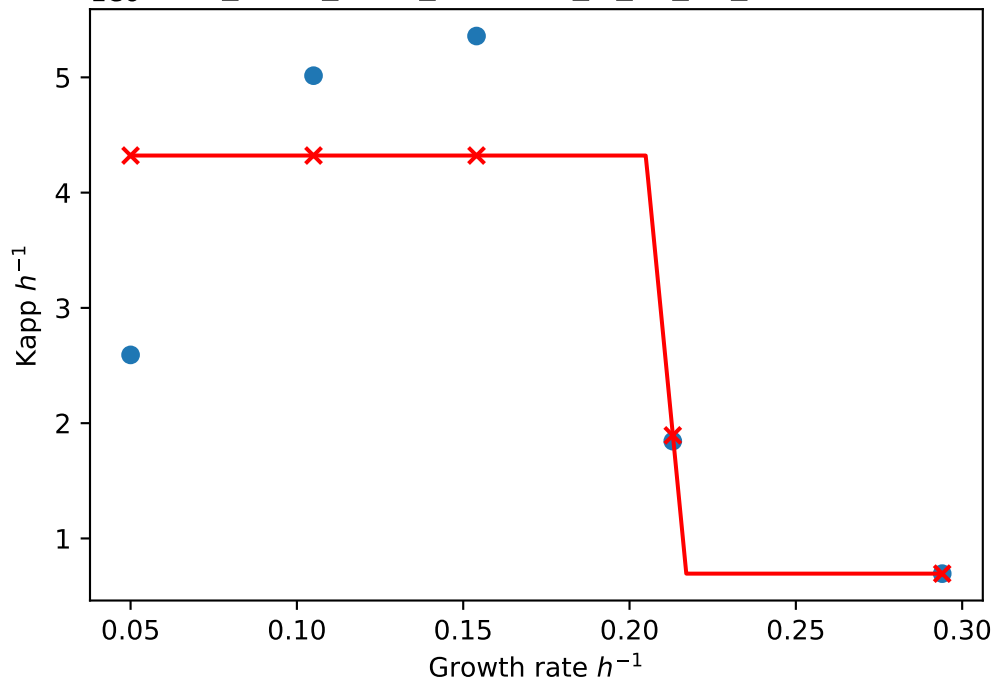
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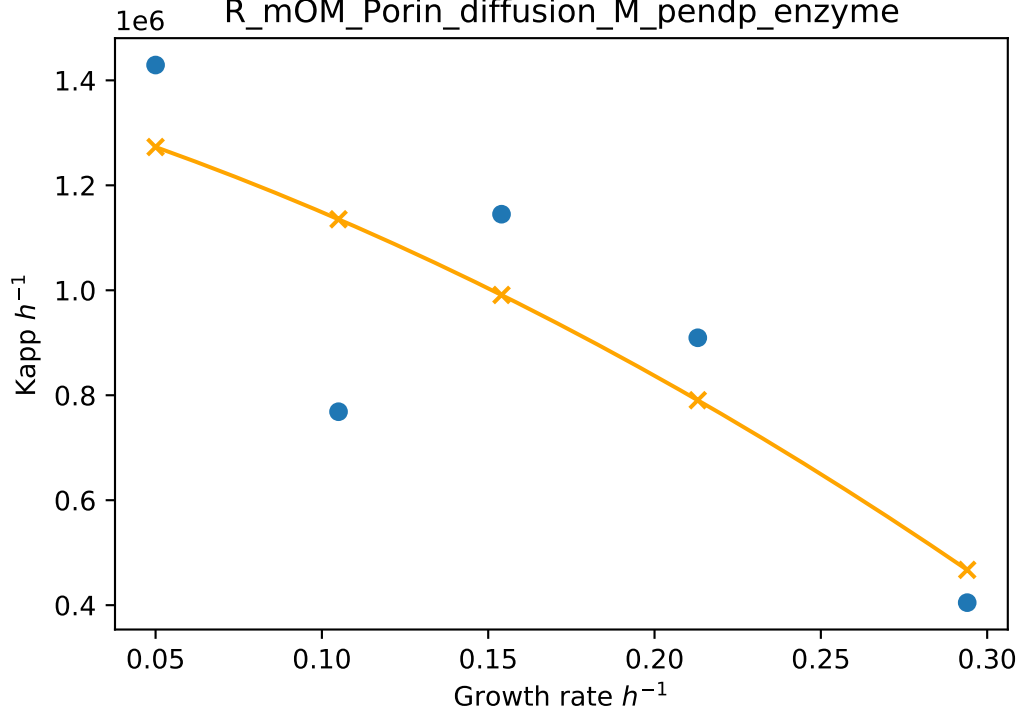
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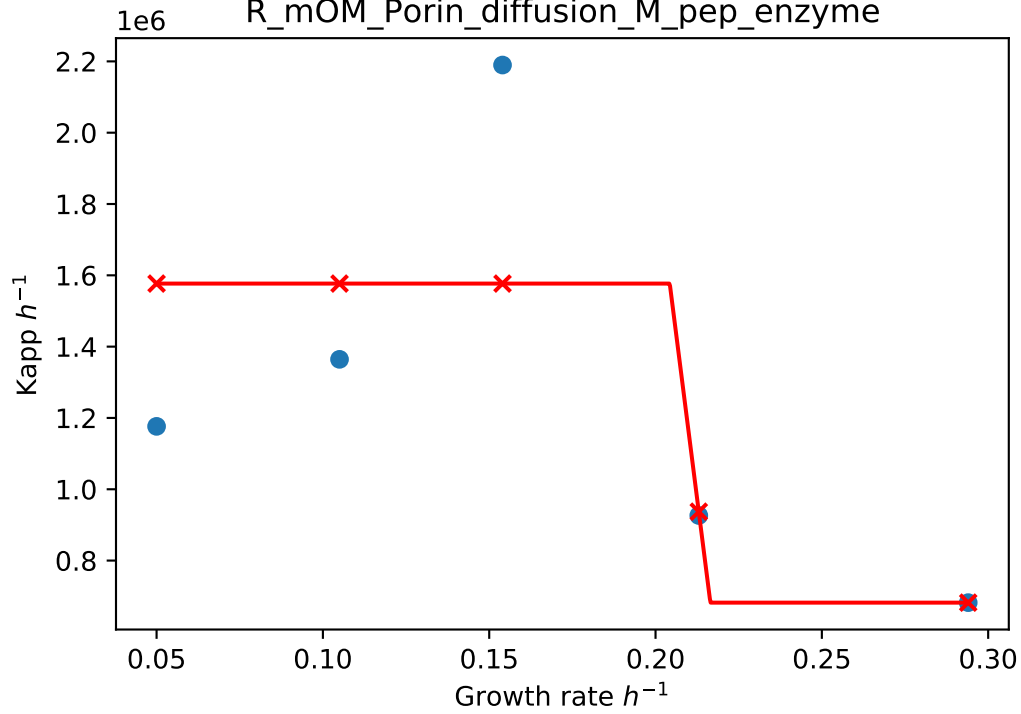
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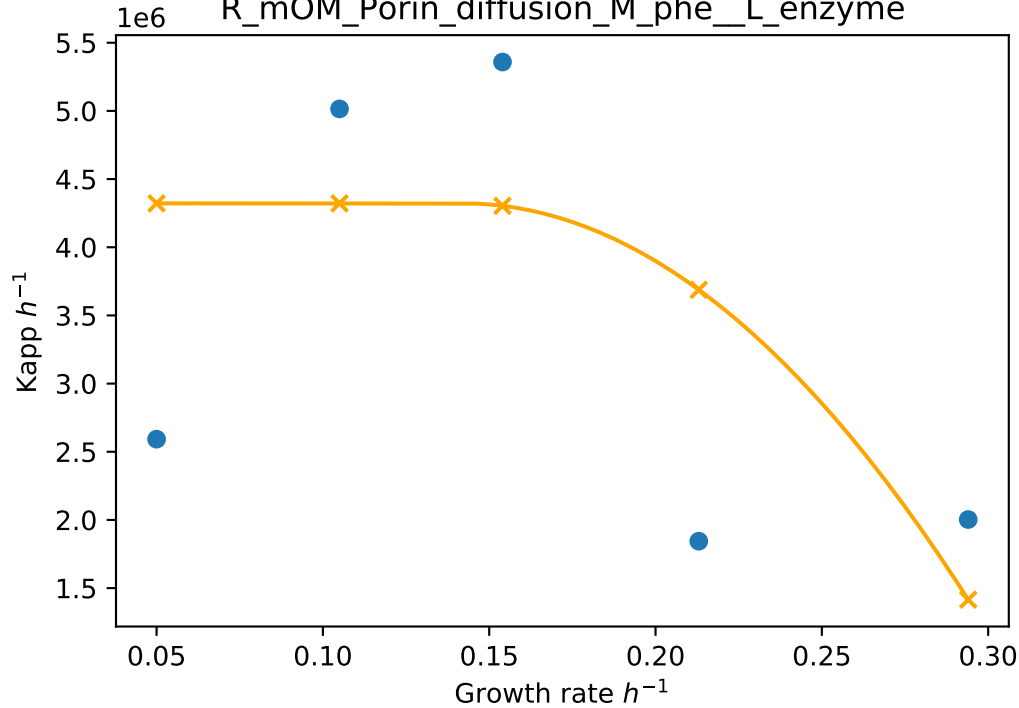
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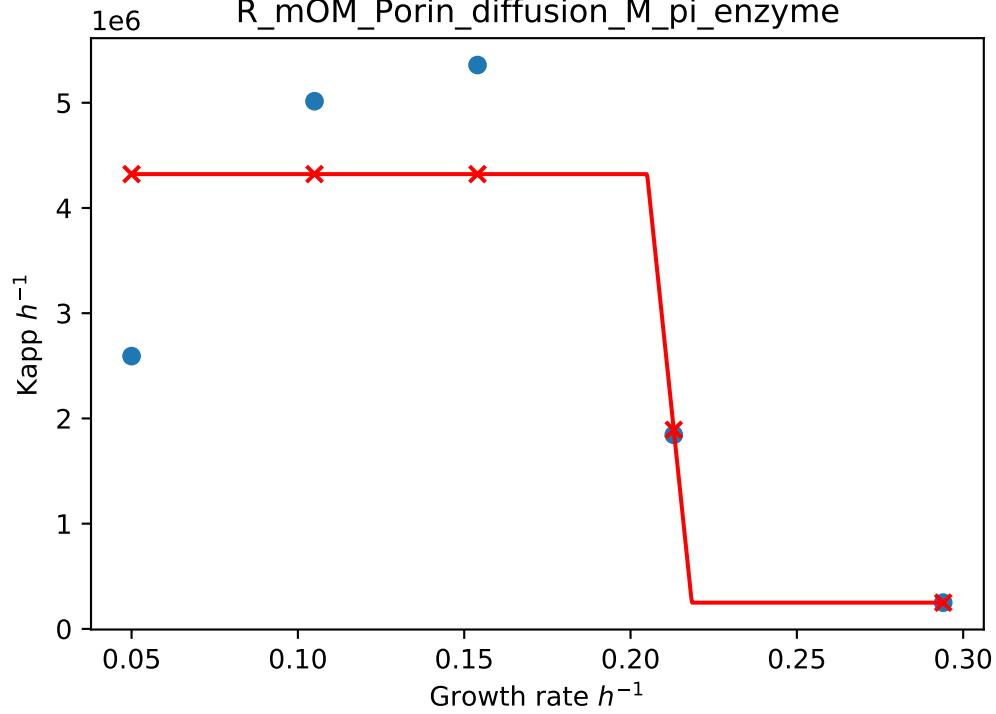
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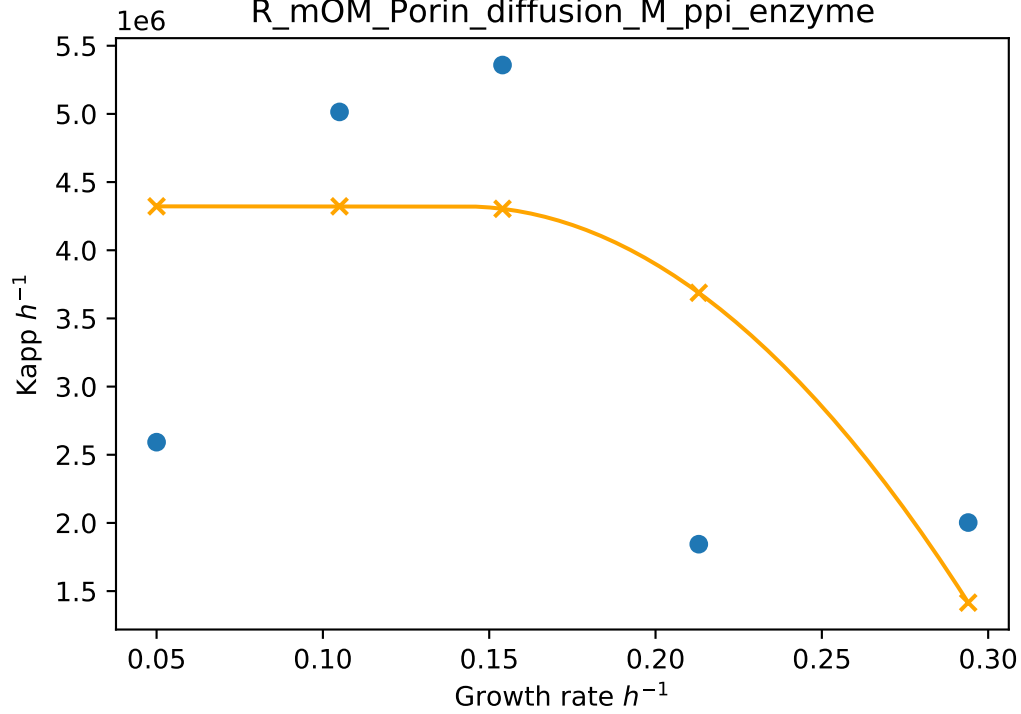
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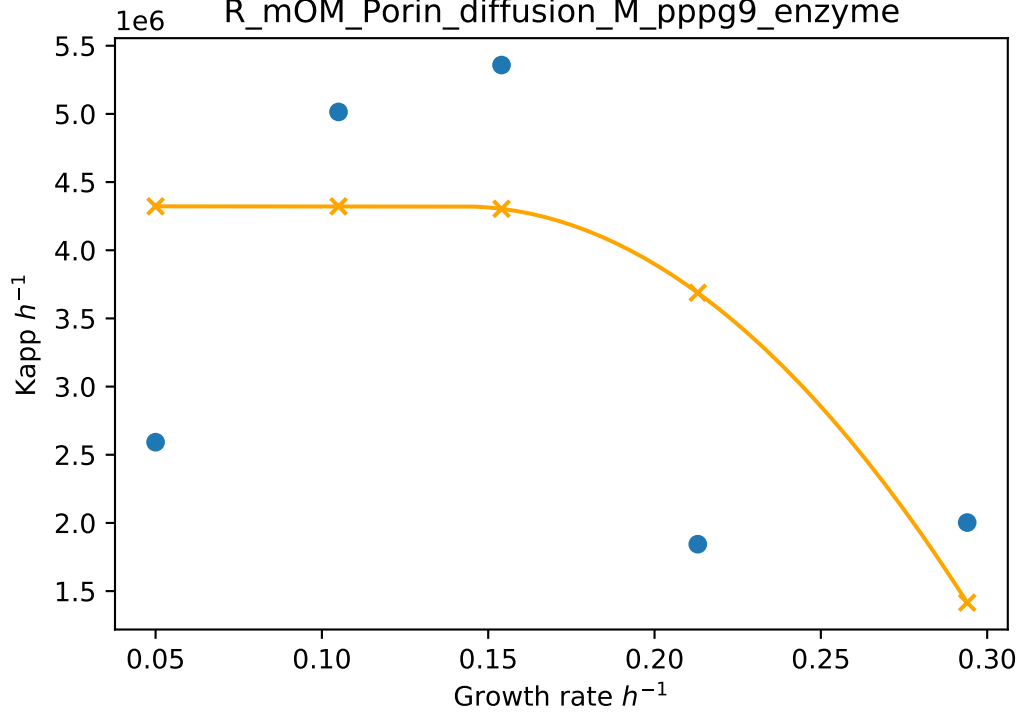
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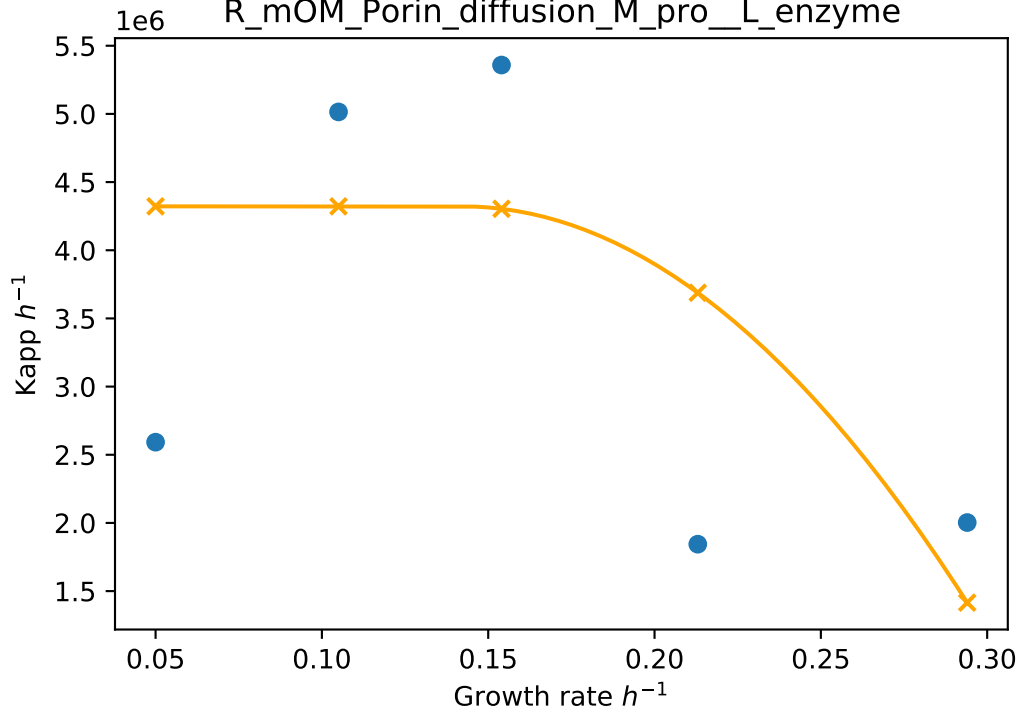
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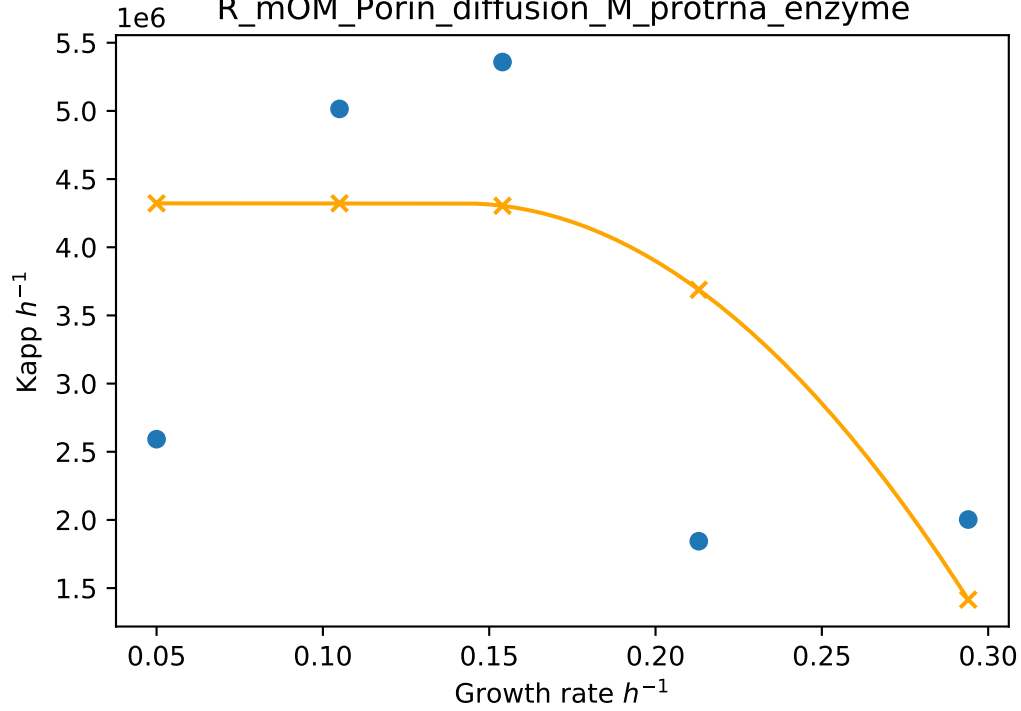
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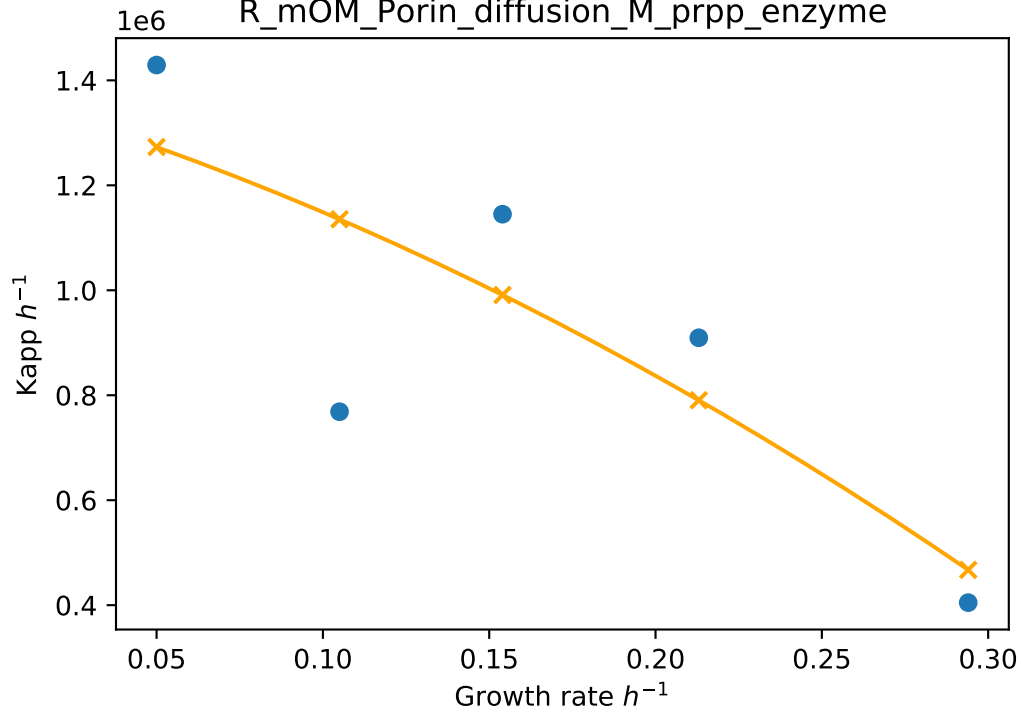
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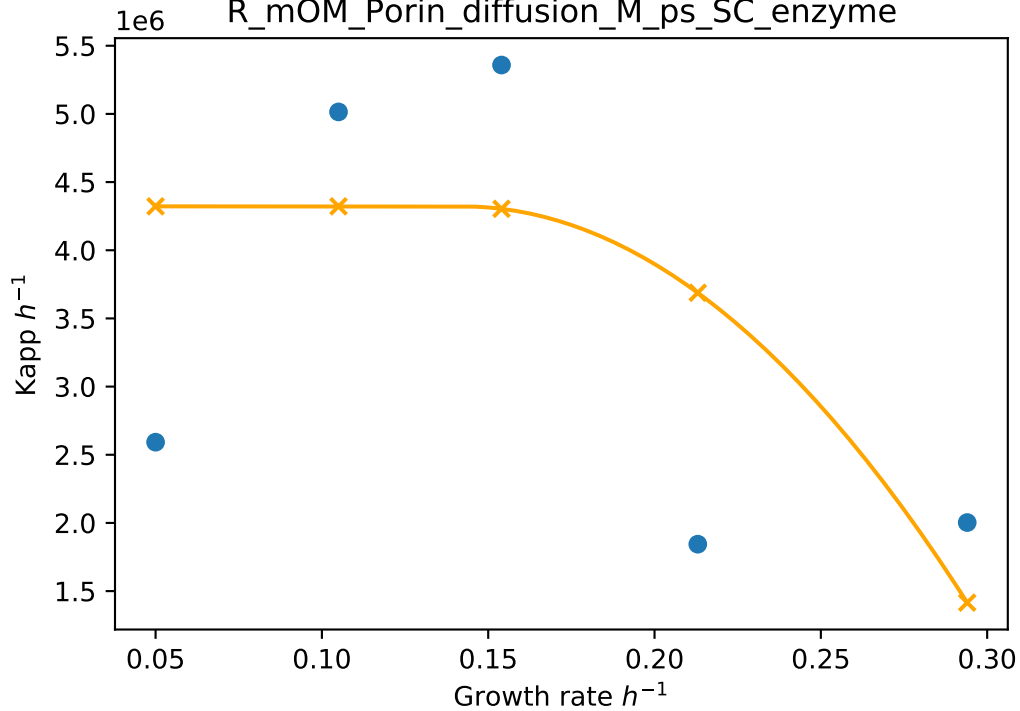
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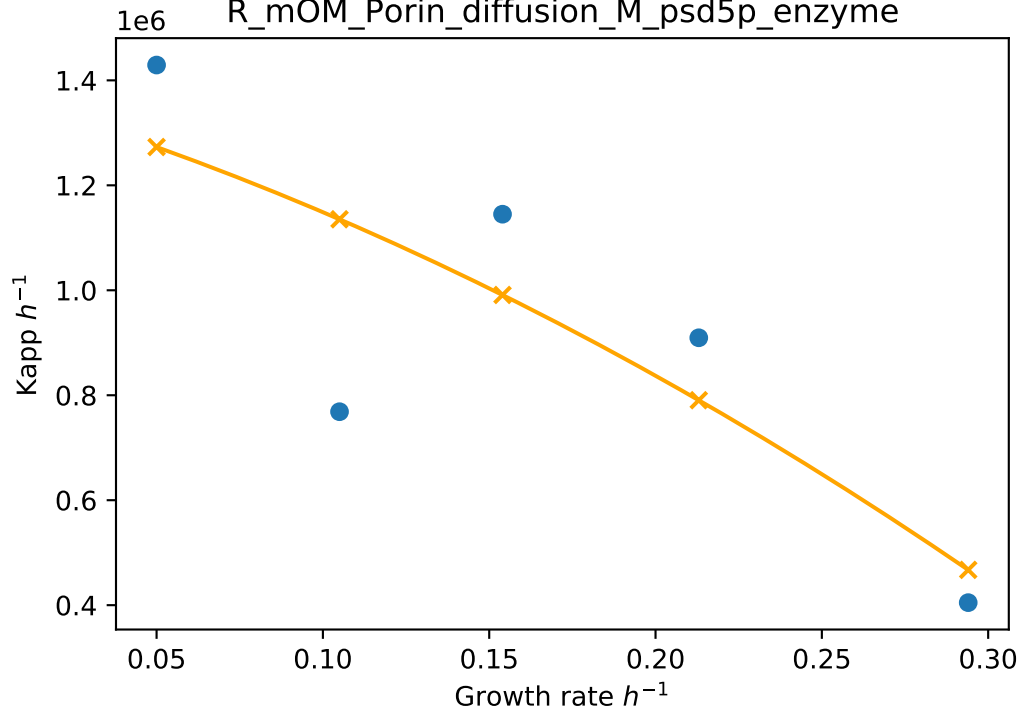
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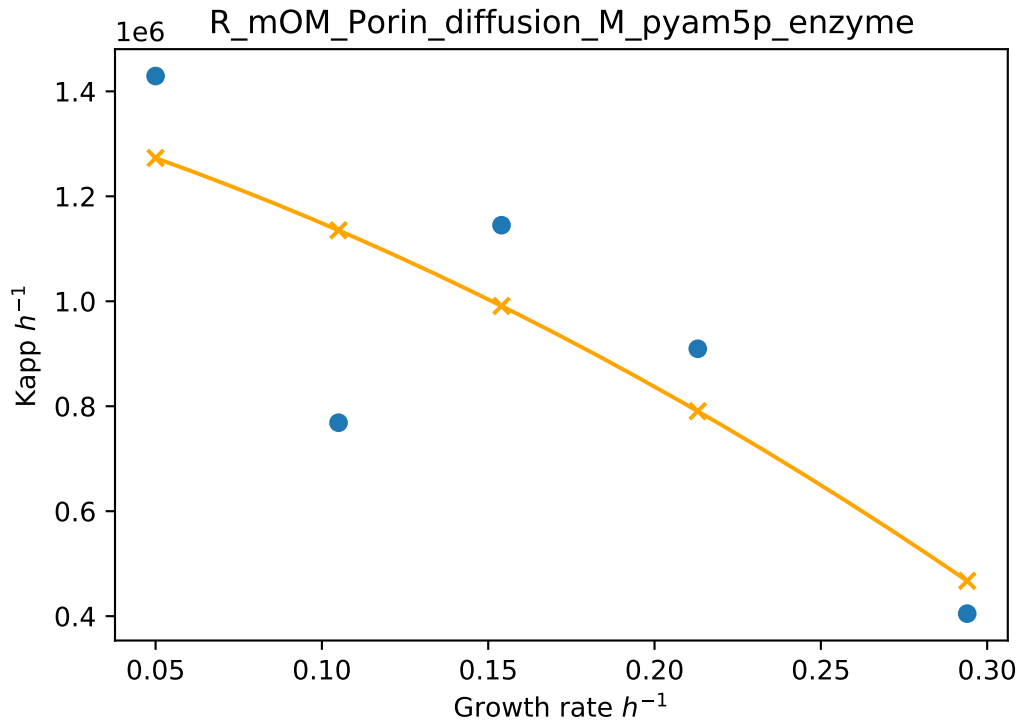


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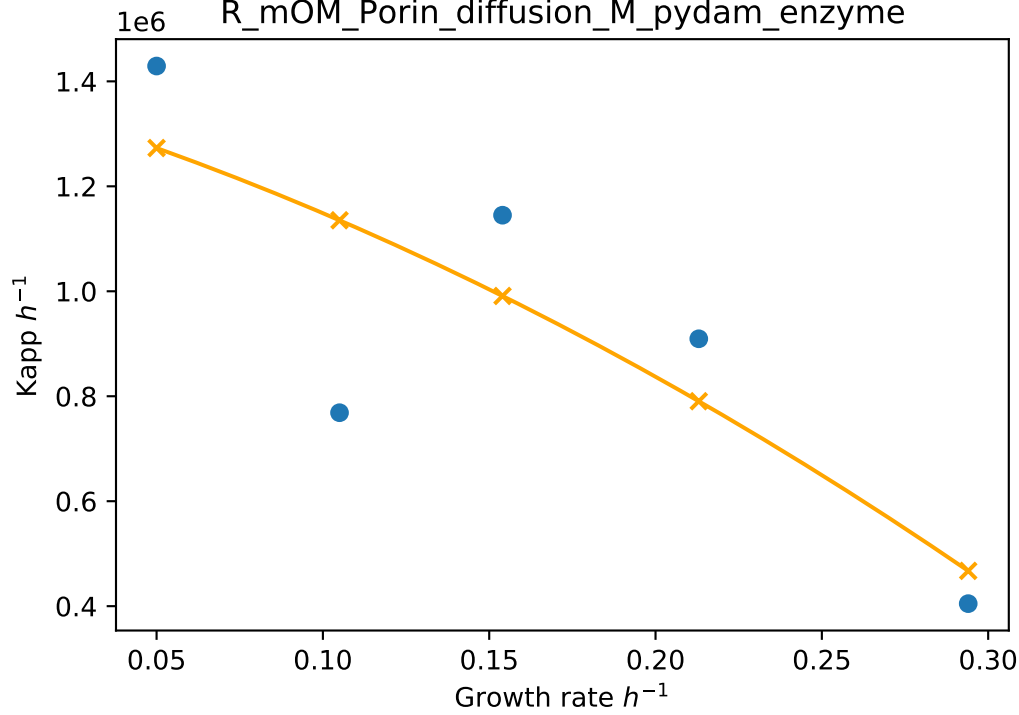


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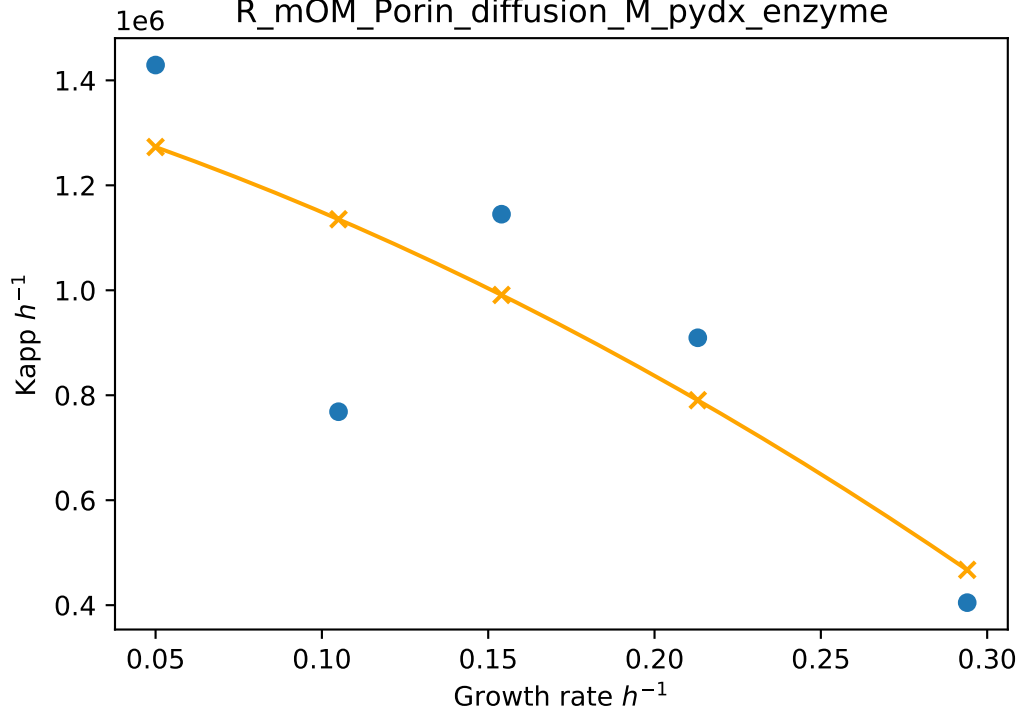




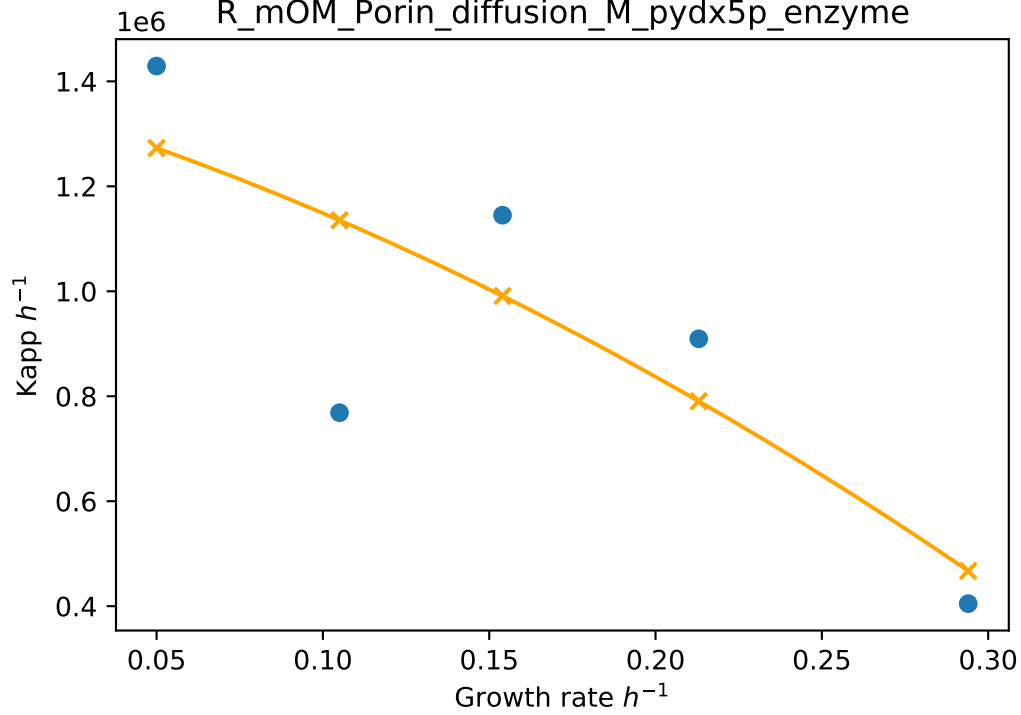
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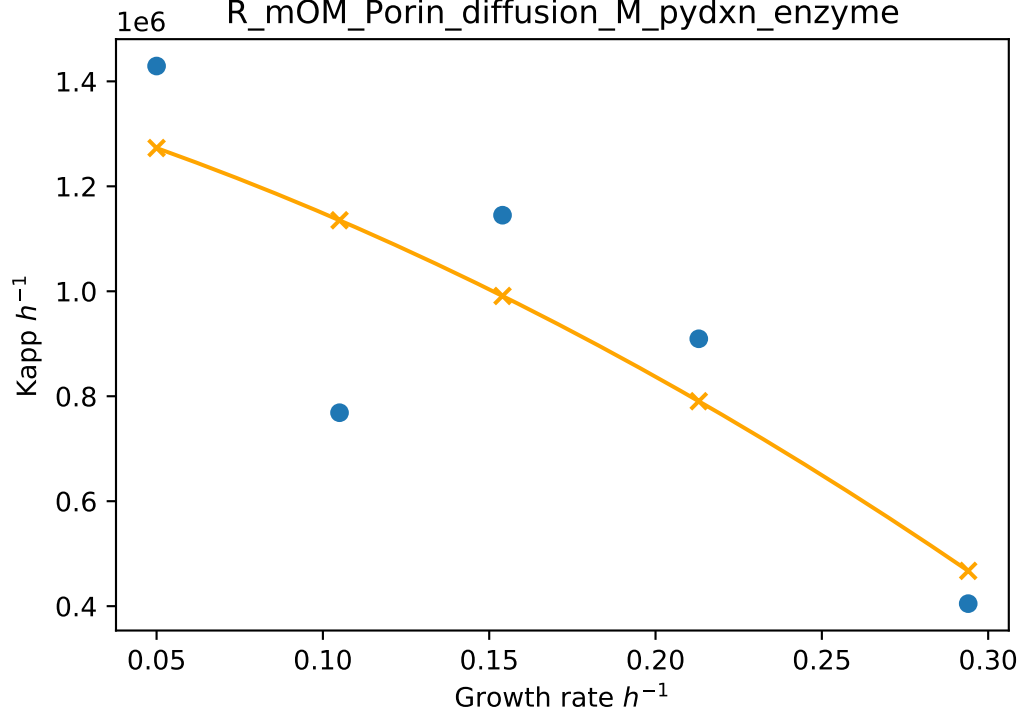
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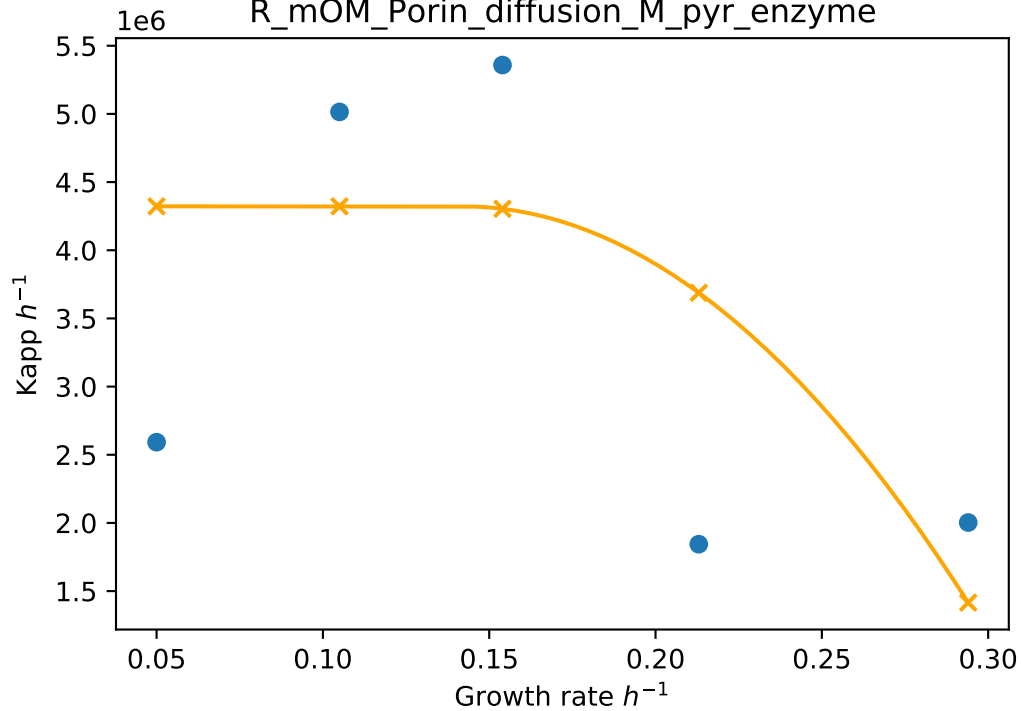
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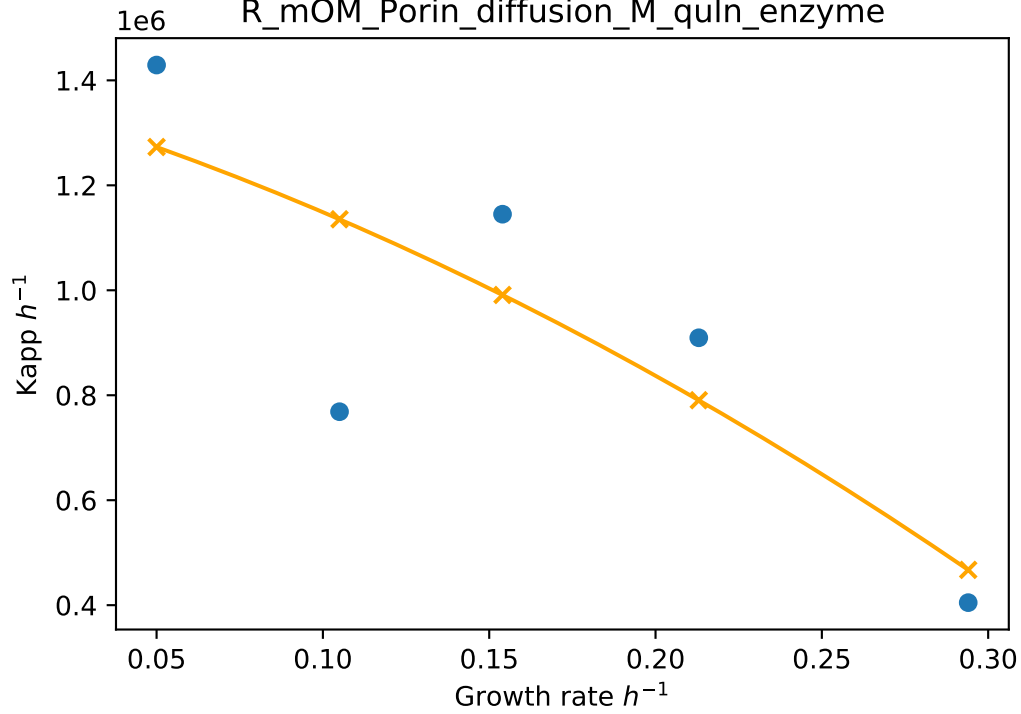
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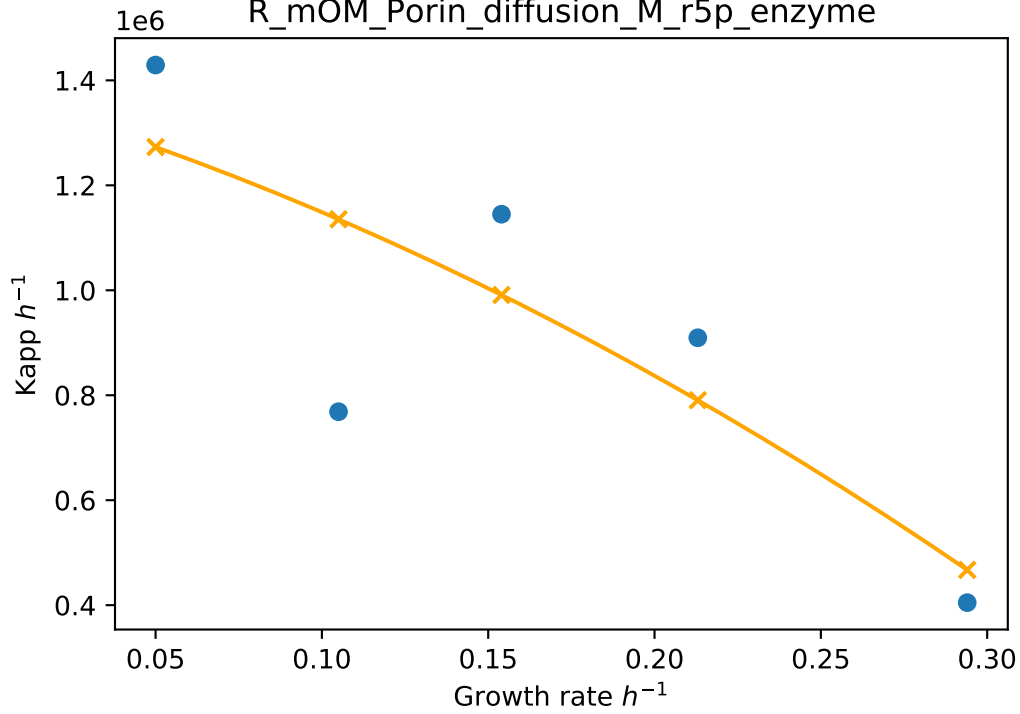
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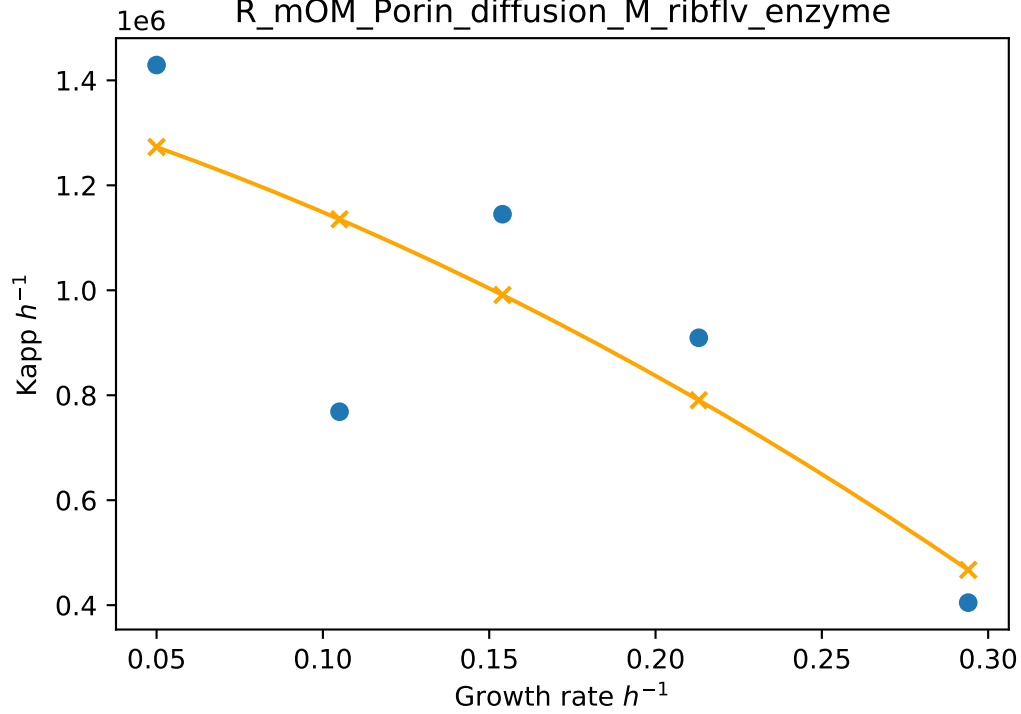
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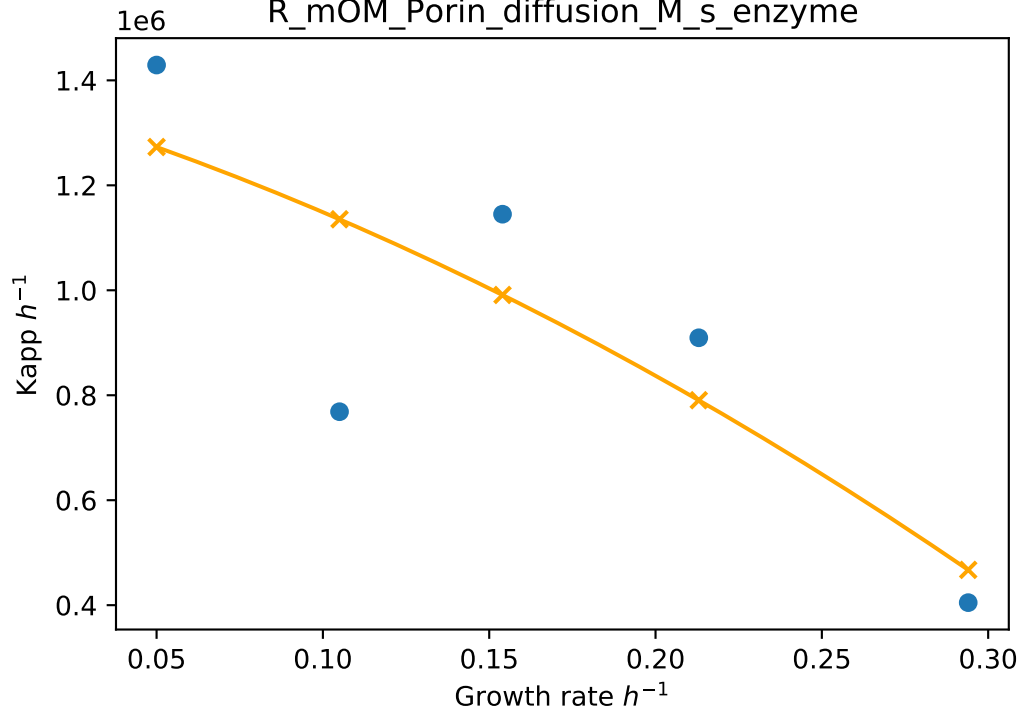
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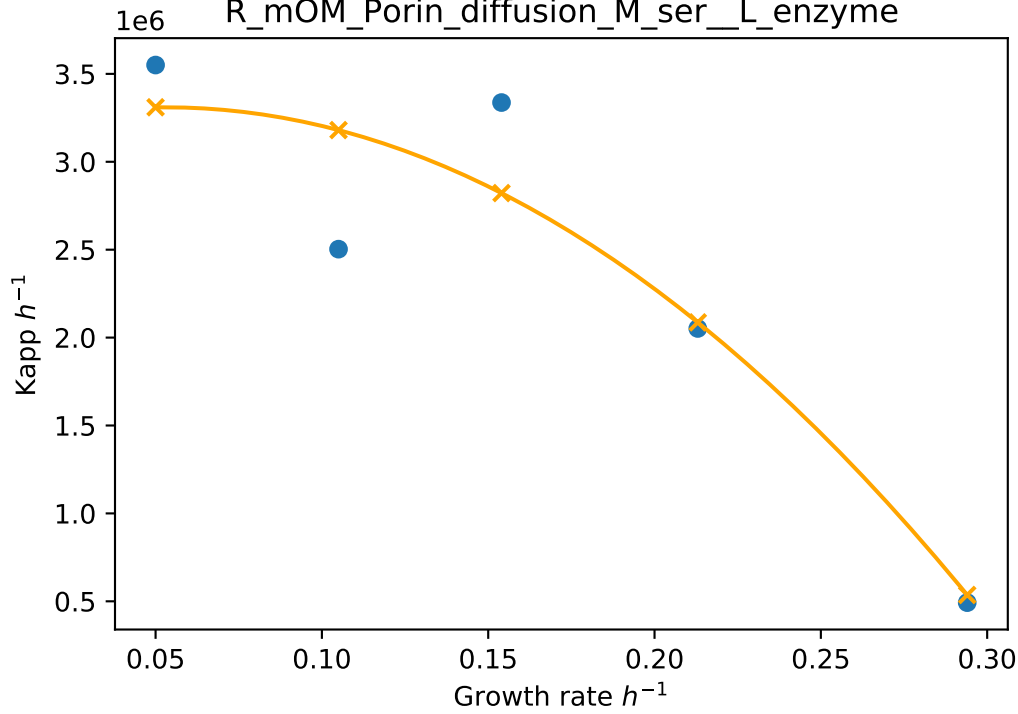
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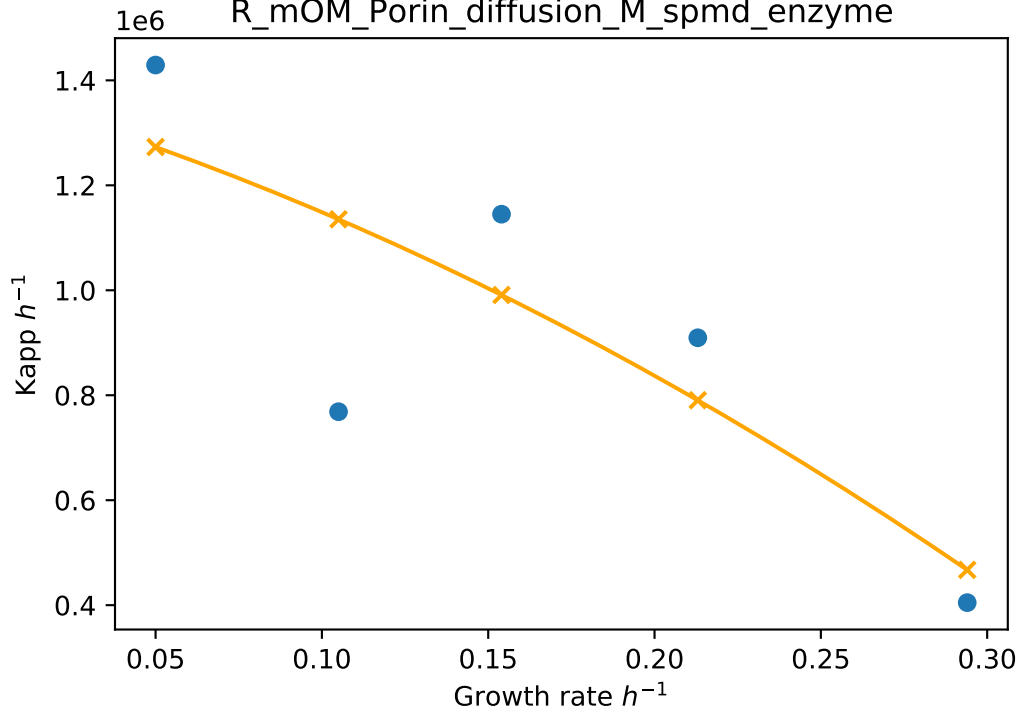
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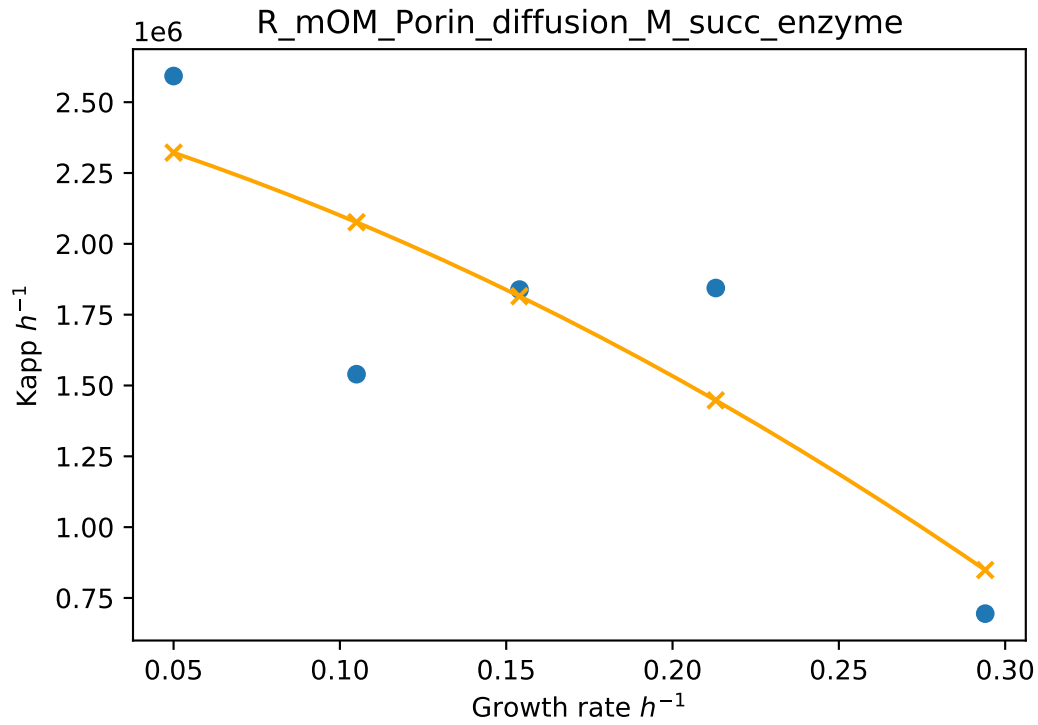


R_mOM_Porin_diffusion_M_ser__L_enzyme

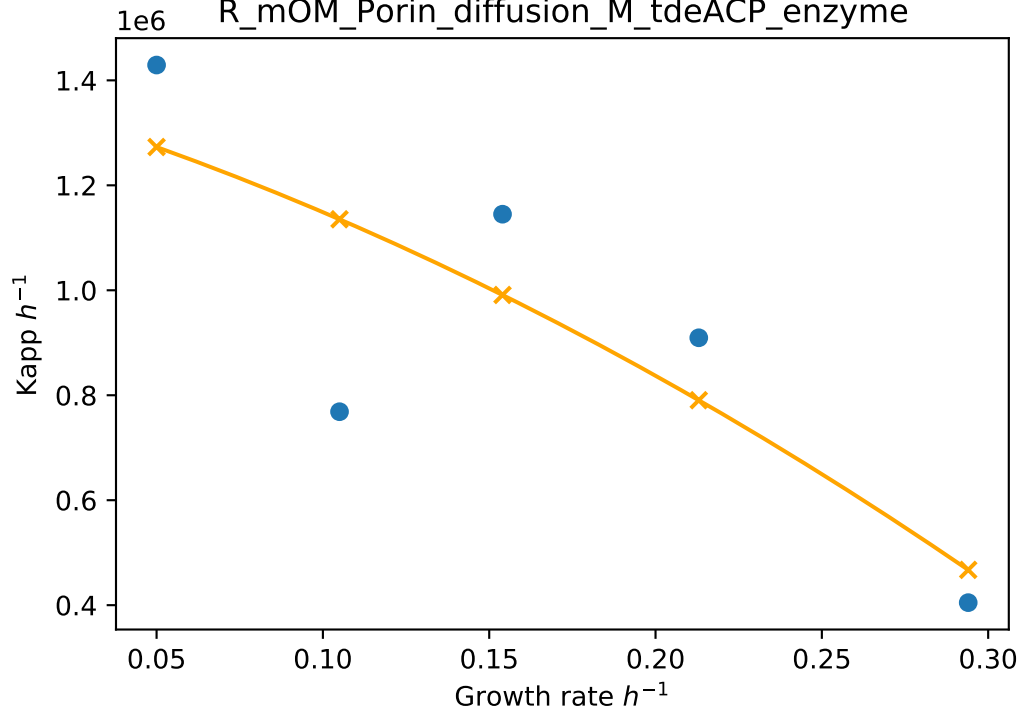


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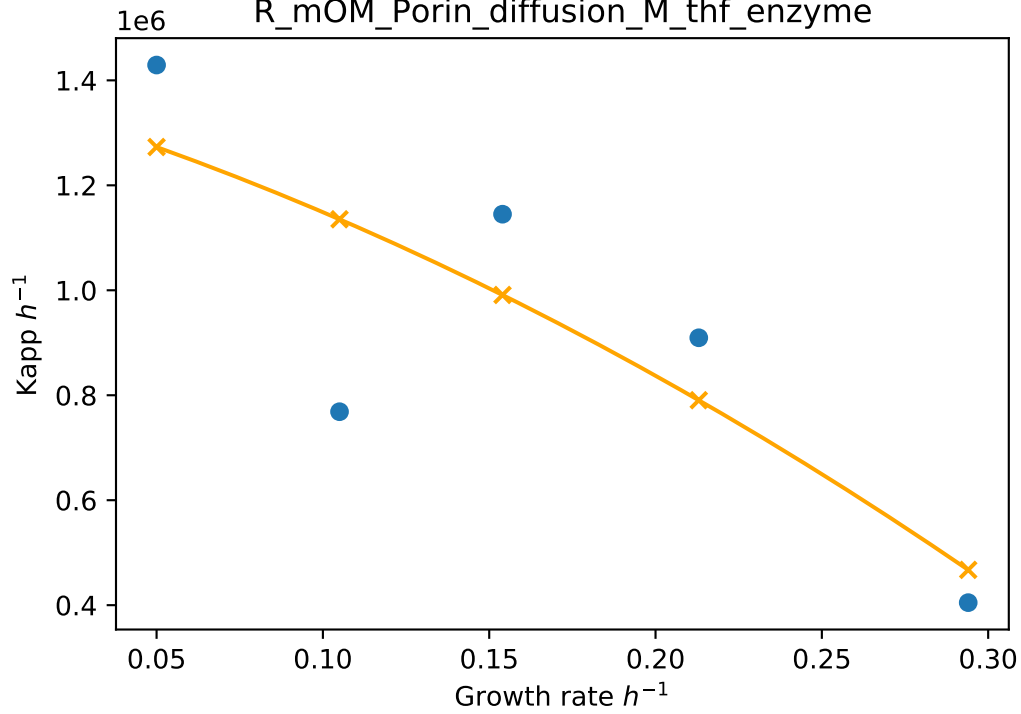




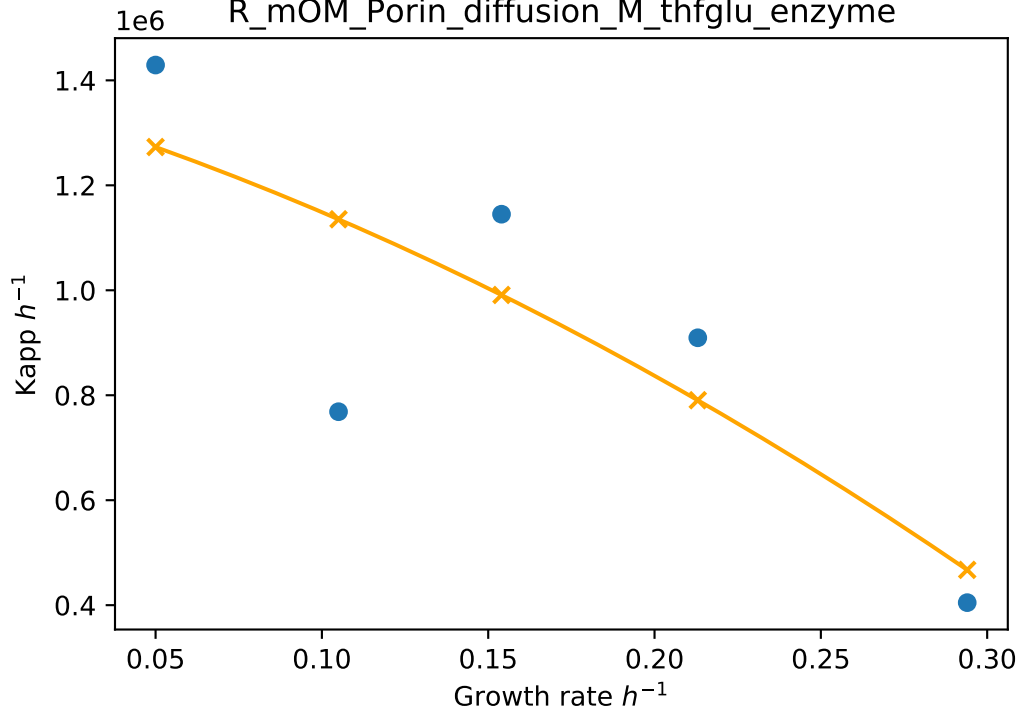
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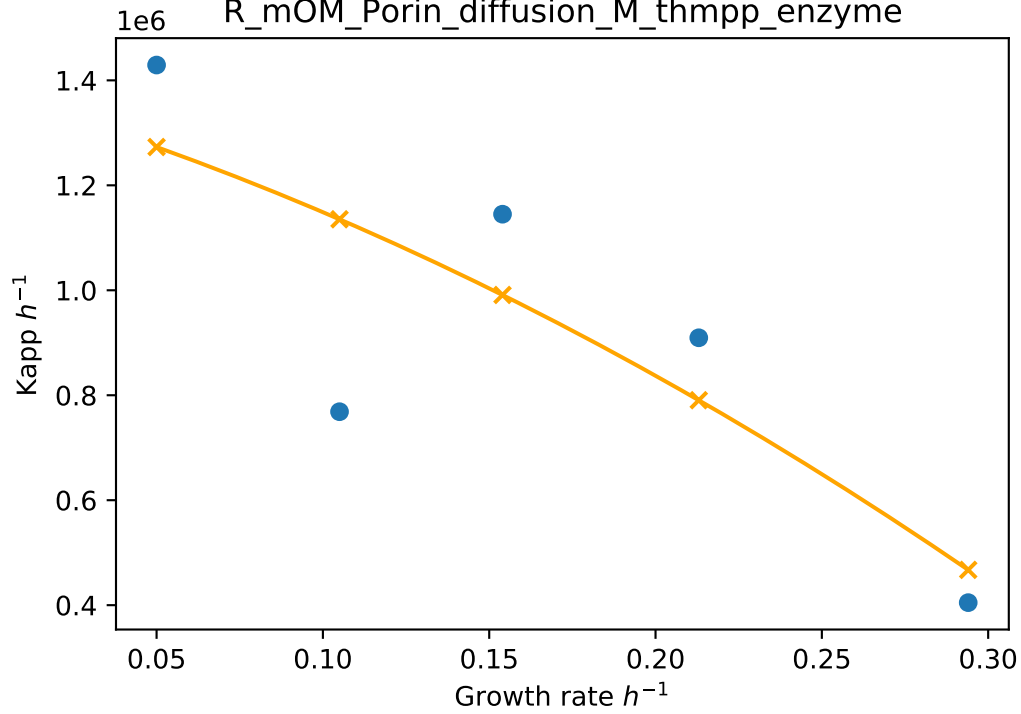
R_mOM_Porin_diffusion_M_thf_enzyme



R_mOM_Porin_diffusion_M_thfglu_enzyme

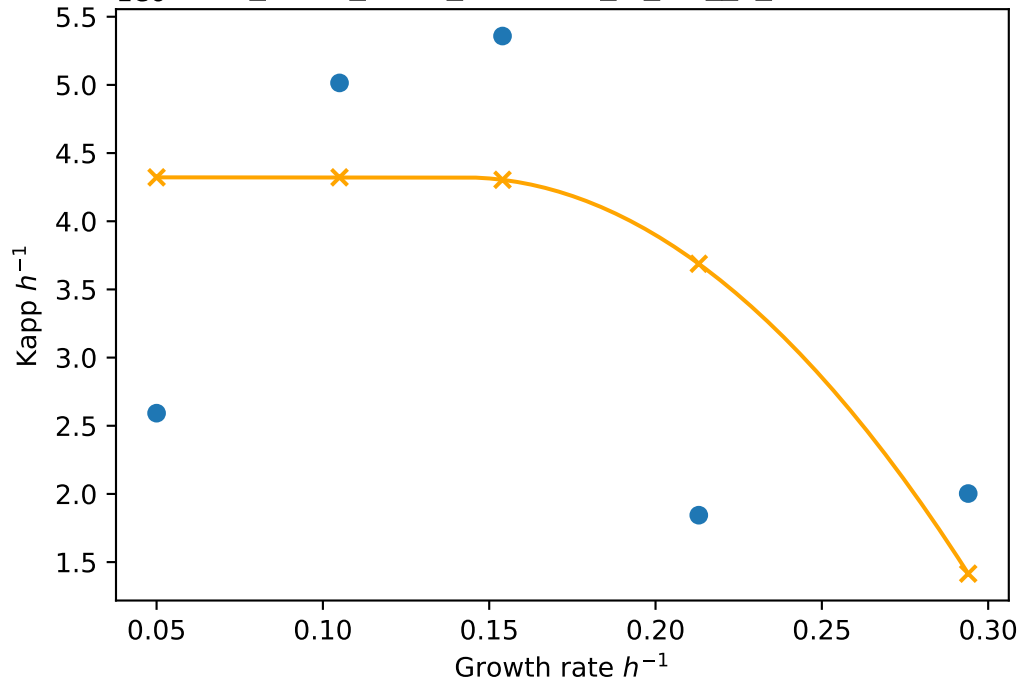


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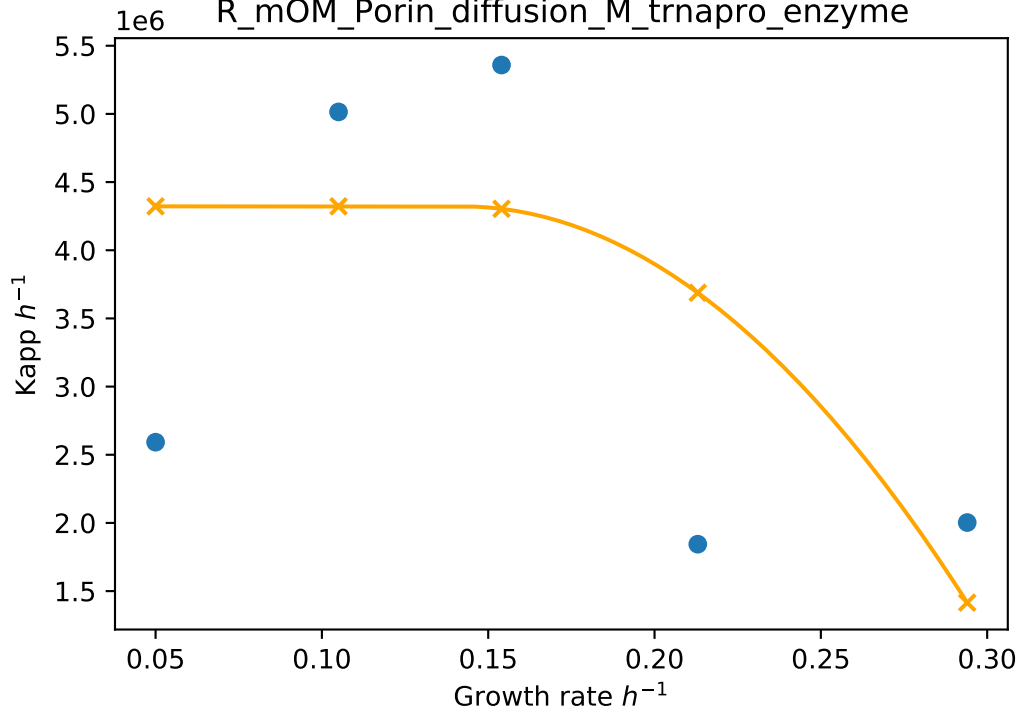


R_mOM_Porin_diffusion_M_thr__L_enzyme

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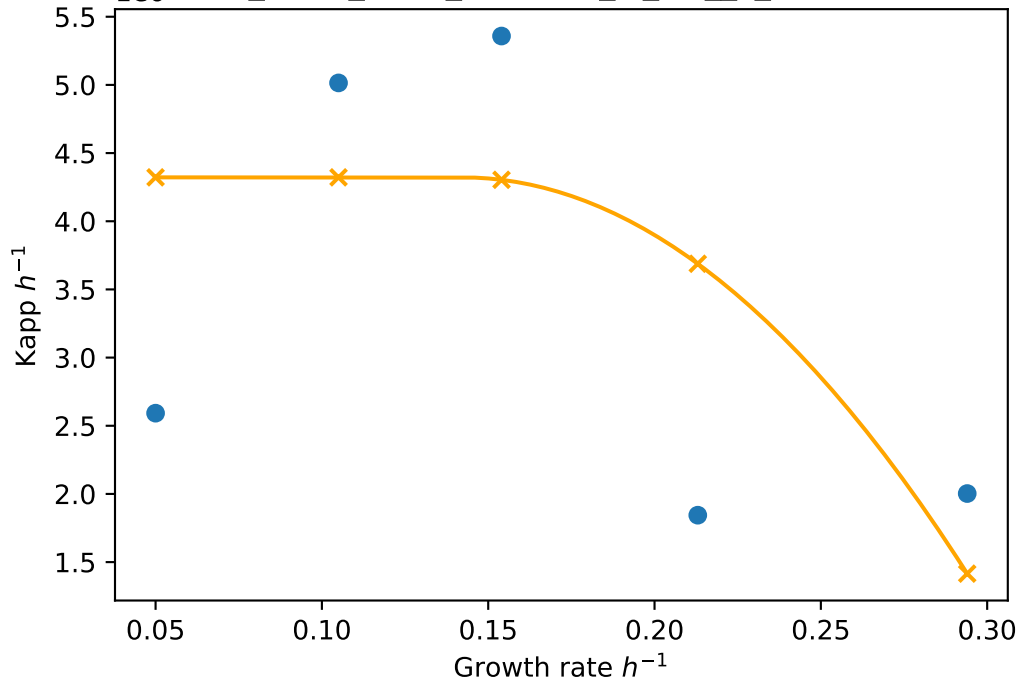


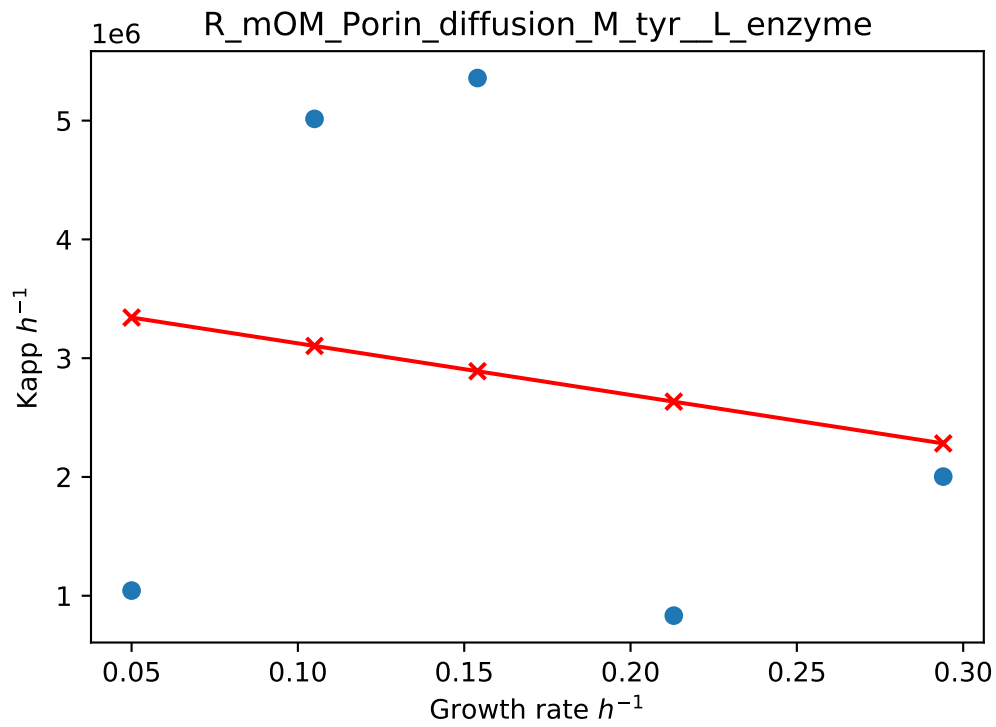
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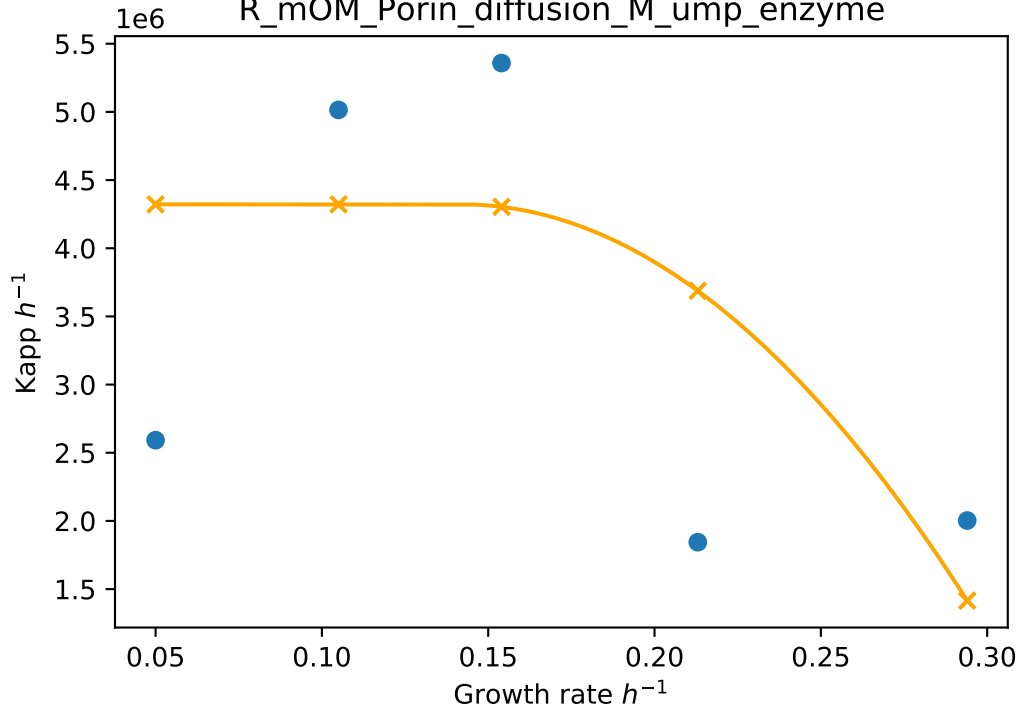
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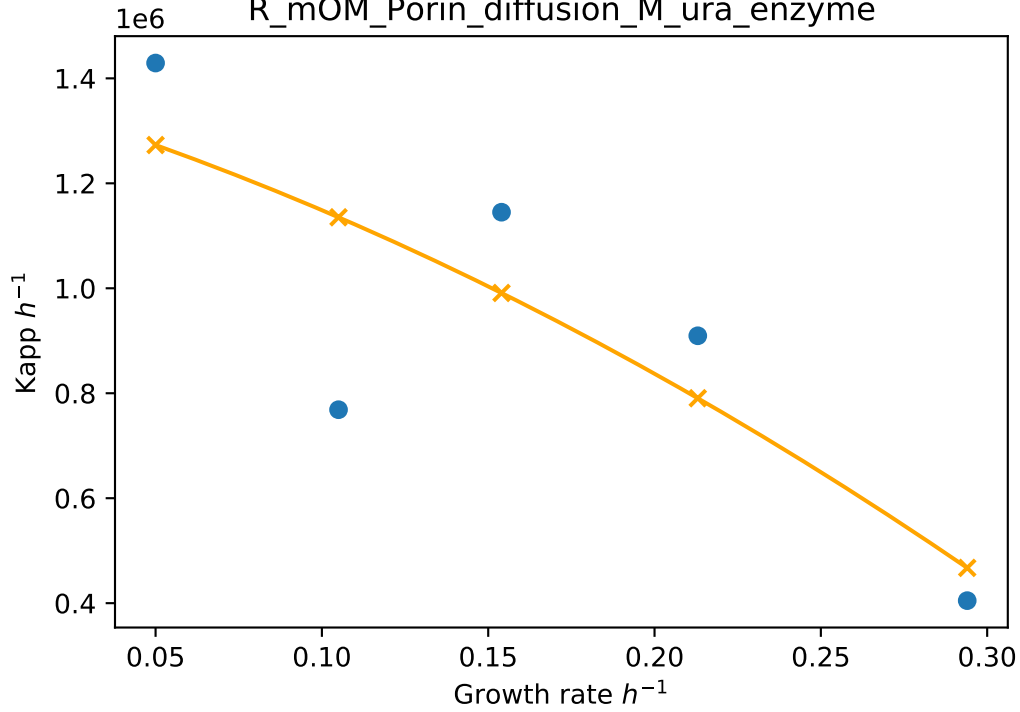




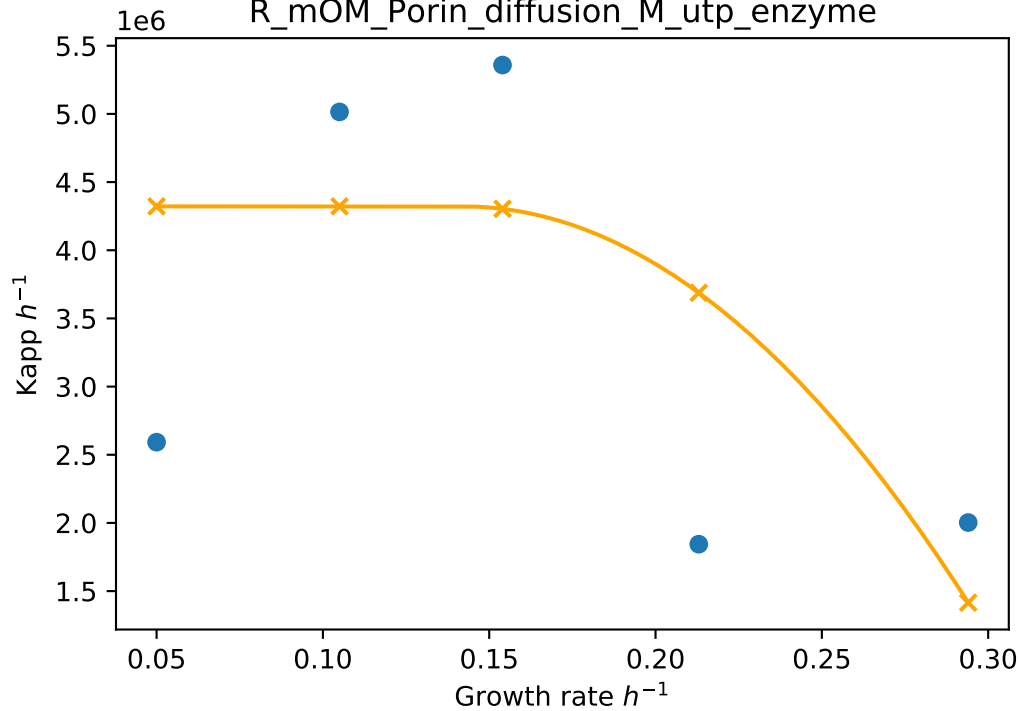
R_mOM_Porin_diffusion_M_ump_enzyme



R_mOM_Porin_diffusion_M_ura_enzyme

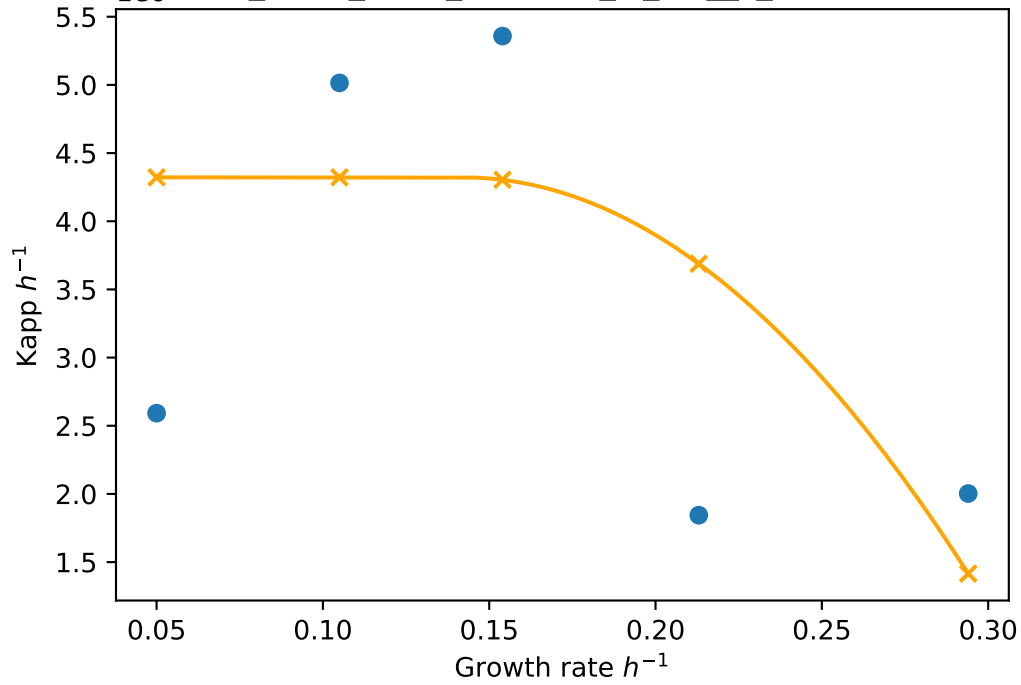


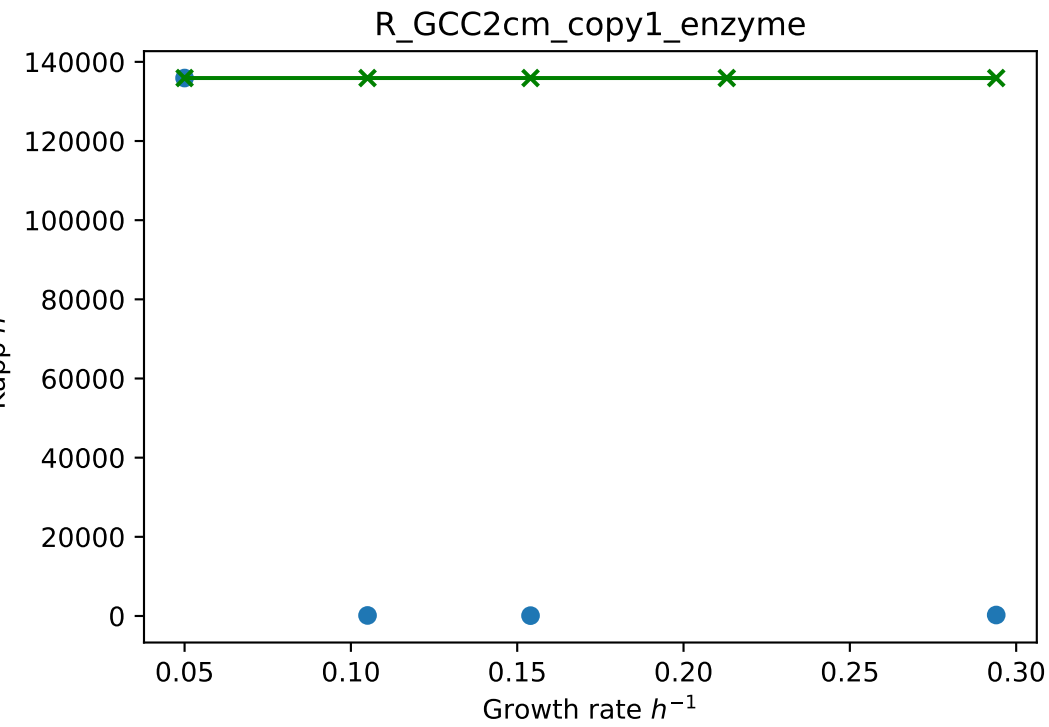
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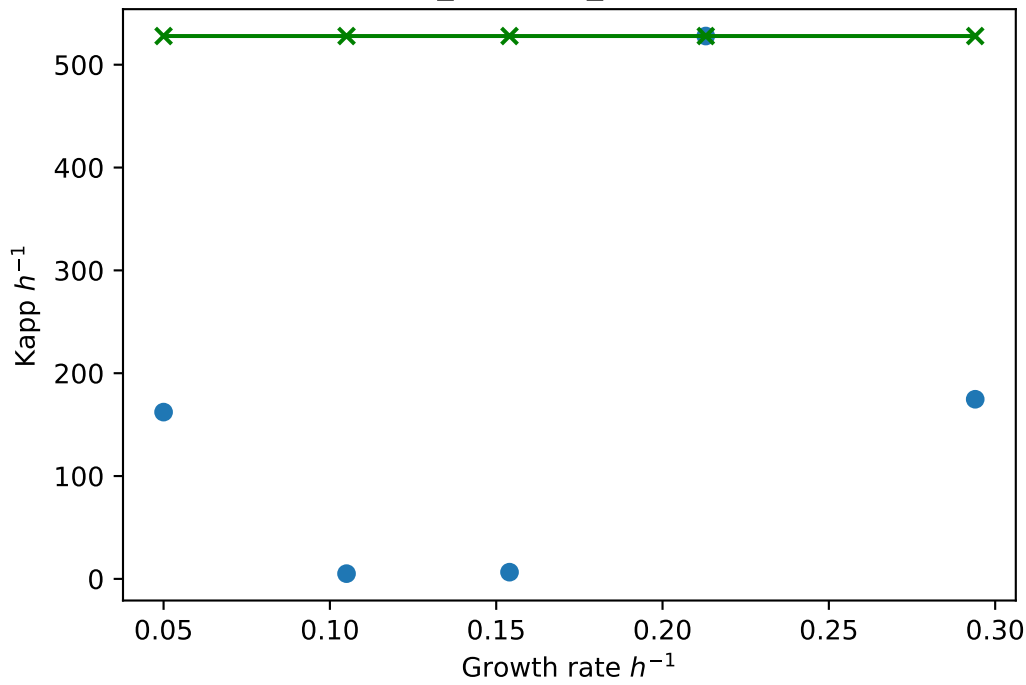
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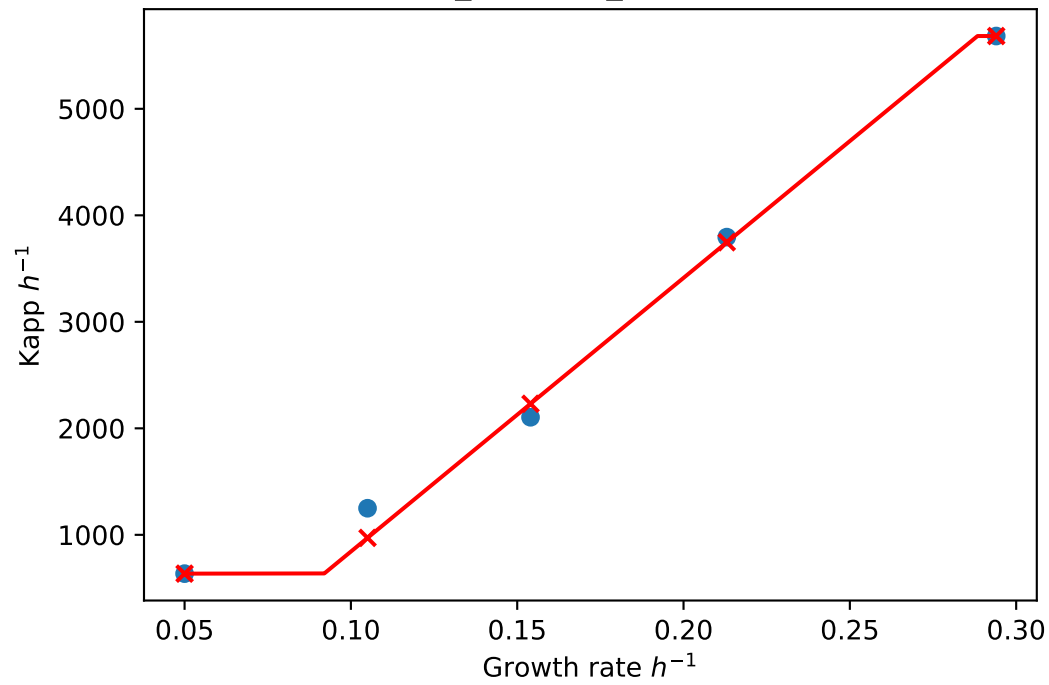




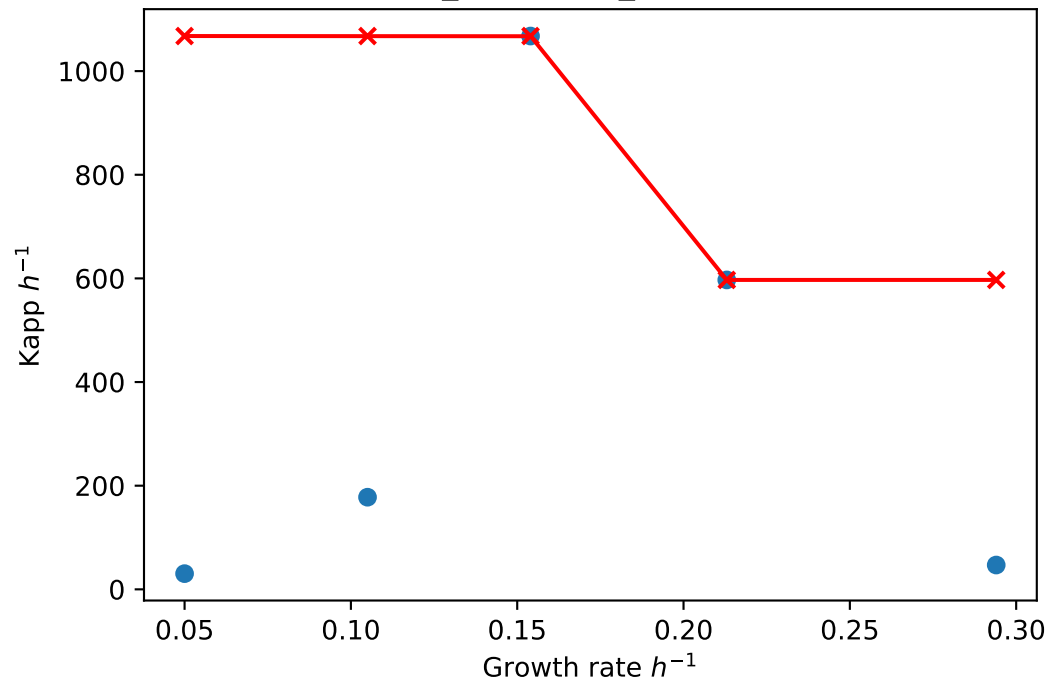
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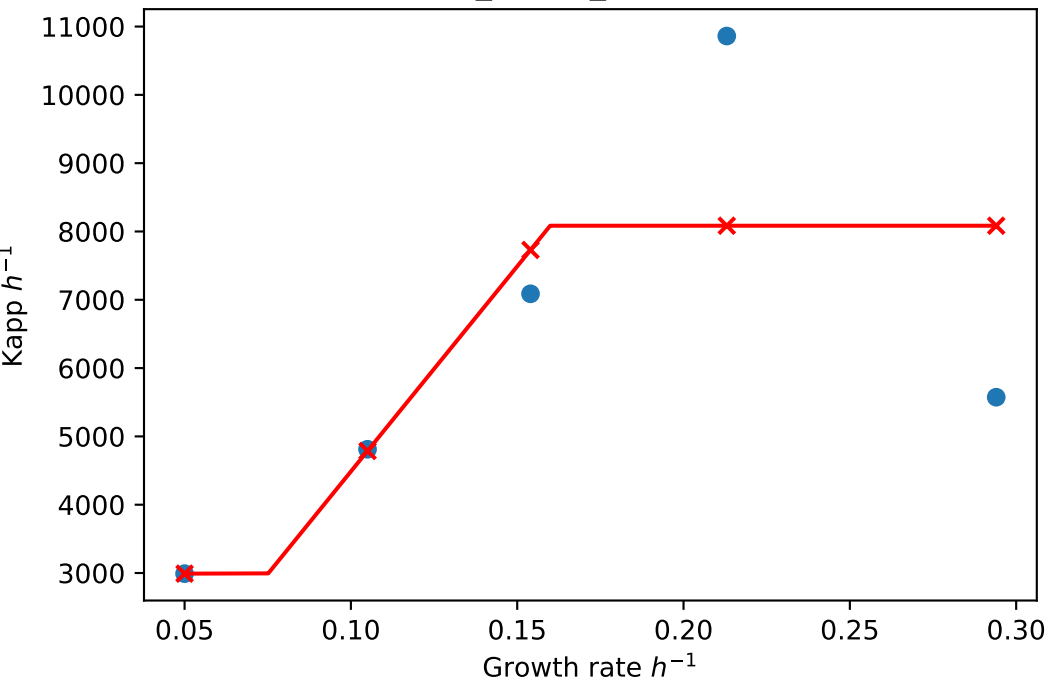
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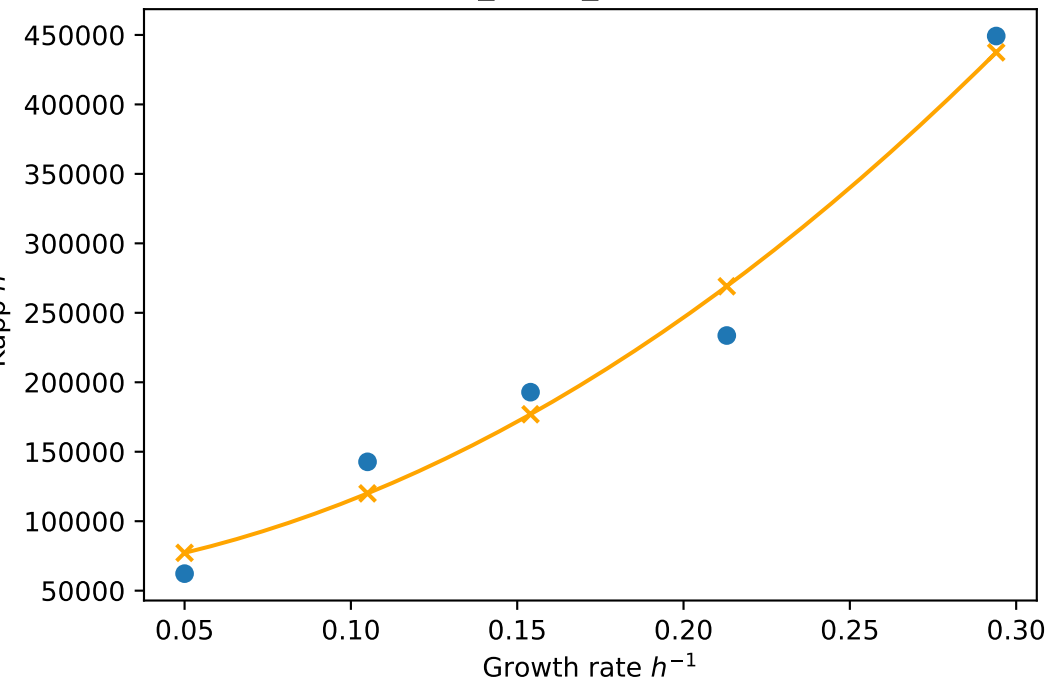
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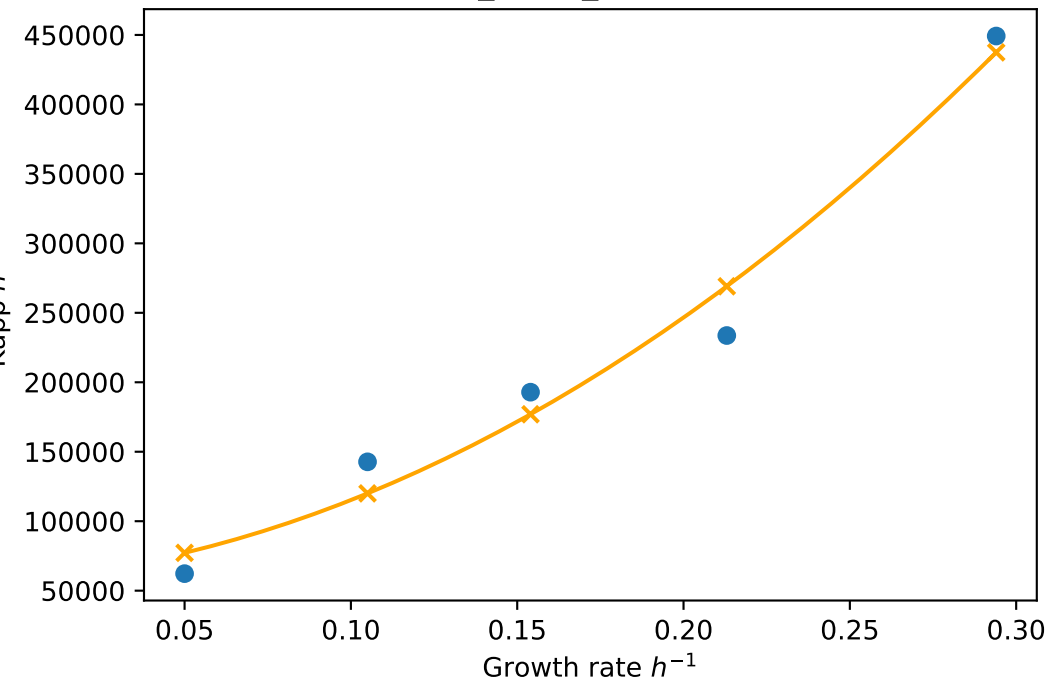
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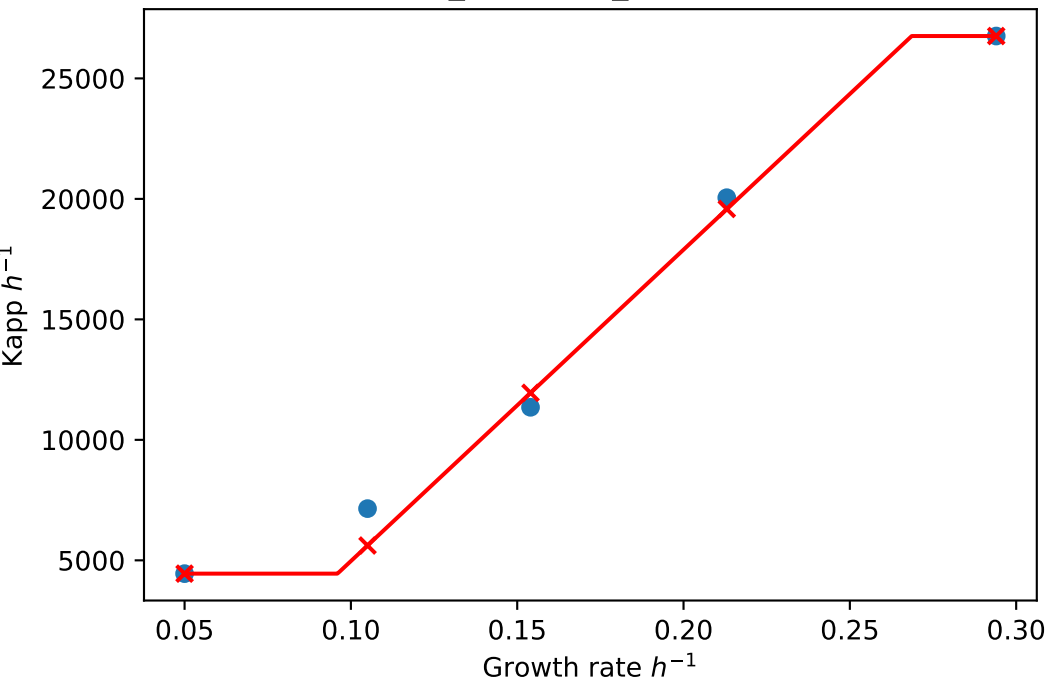
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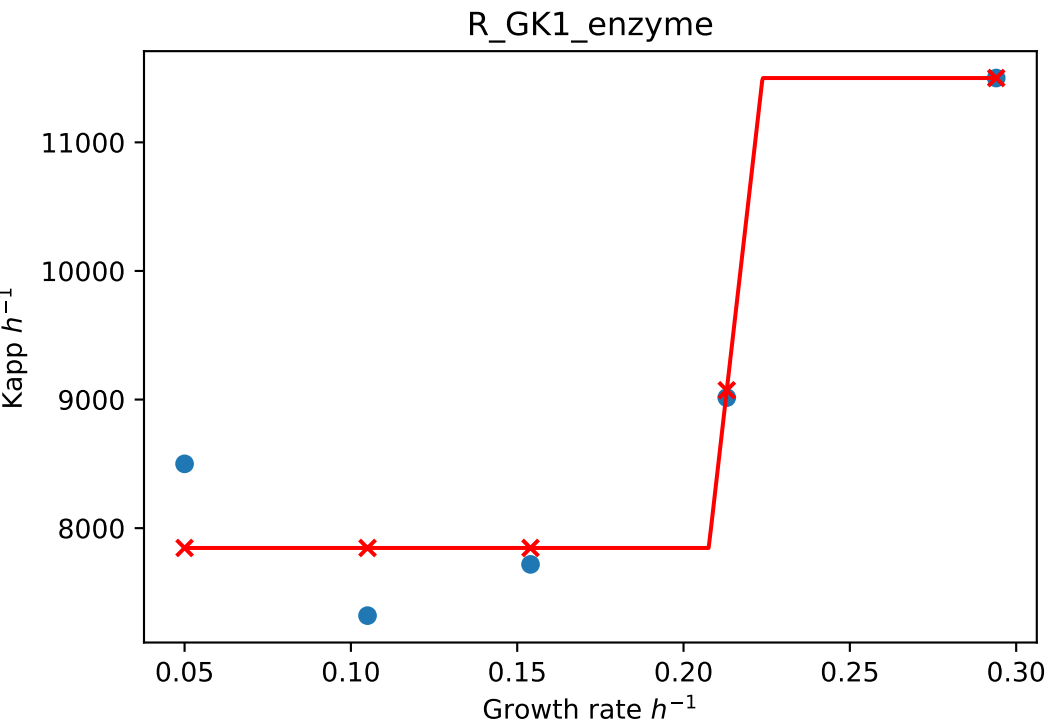


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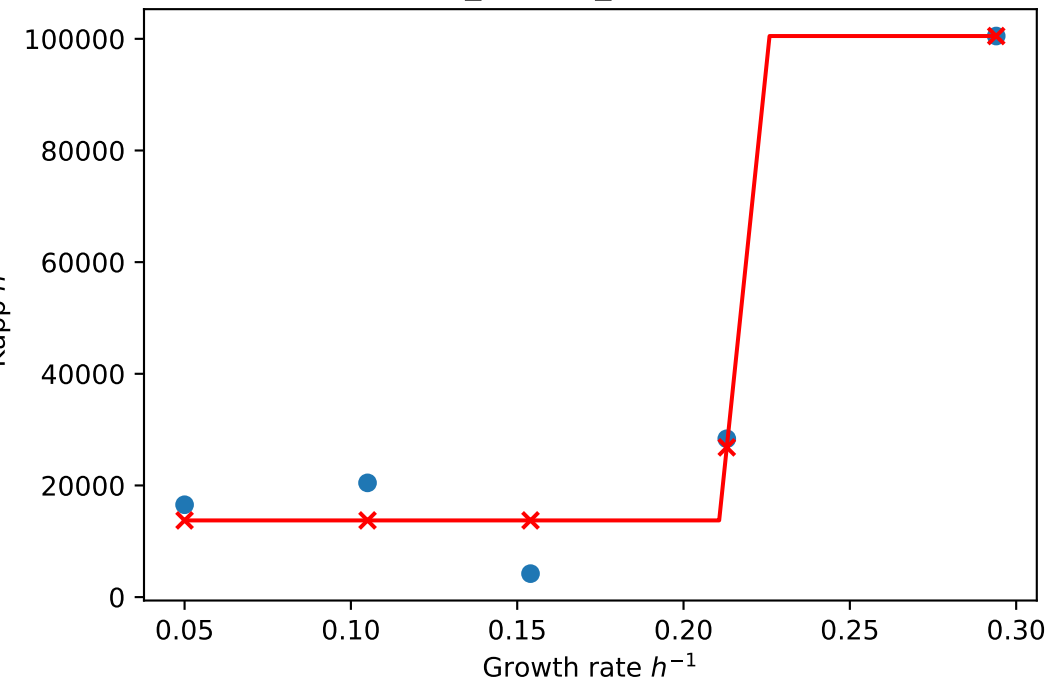


R_HACNHm_enzyme

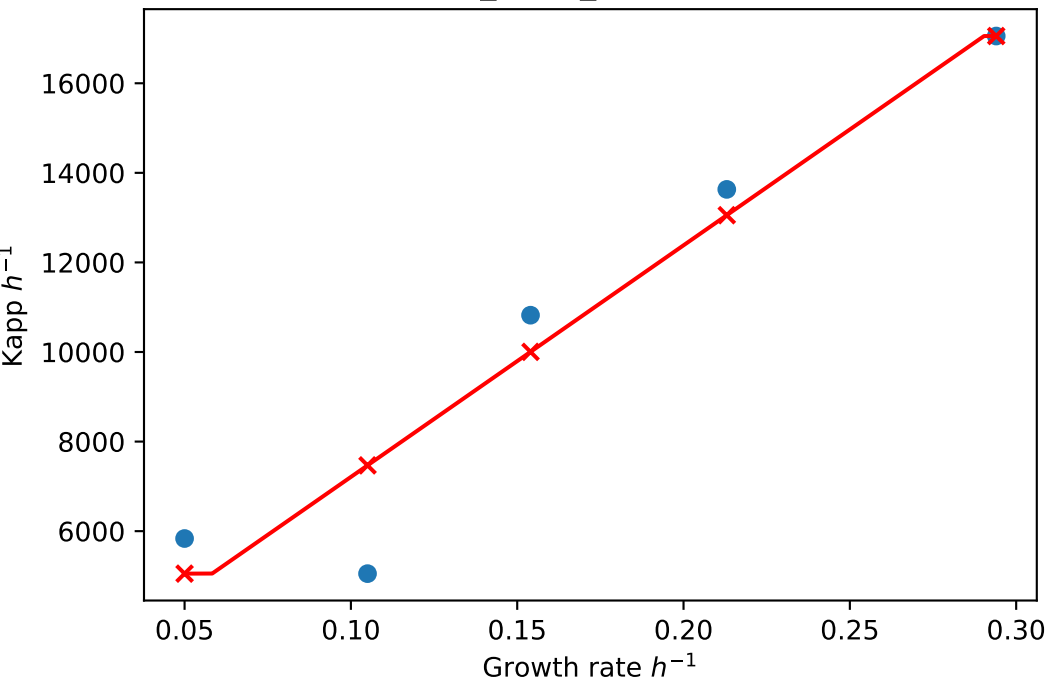




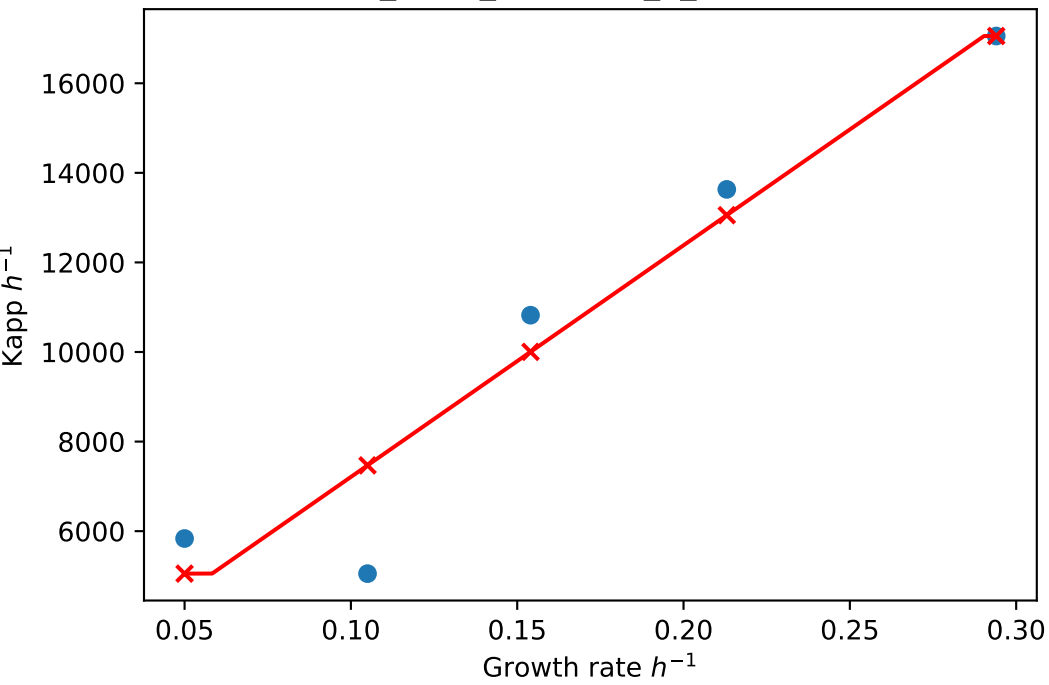
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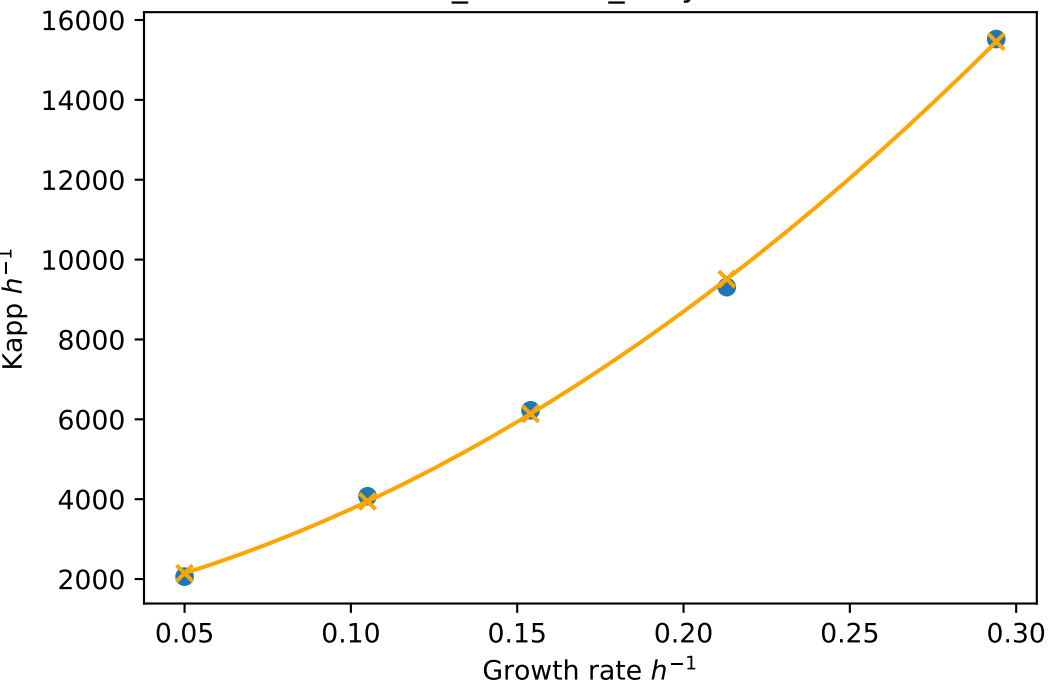
R_SULR_enzyme



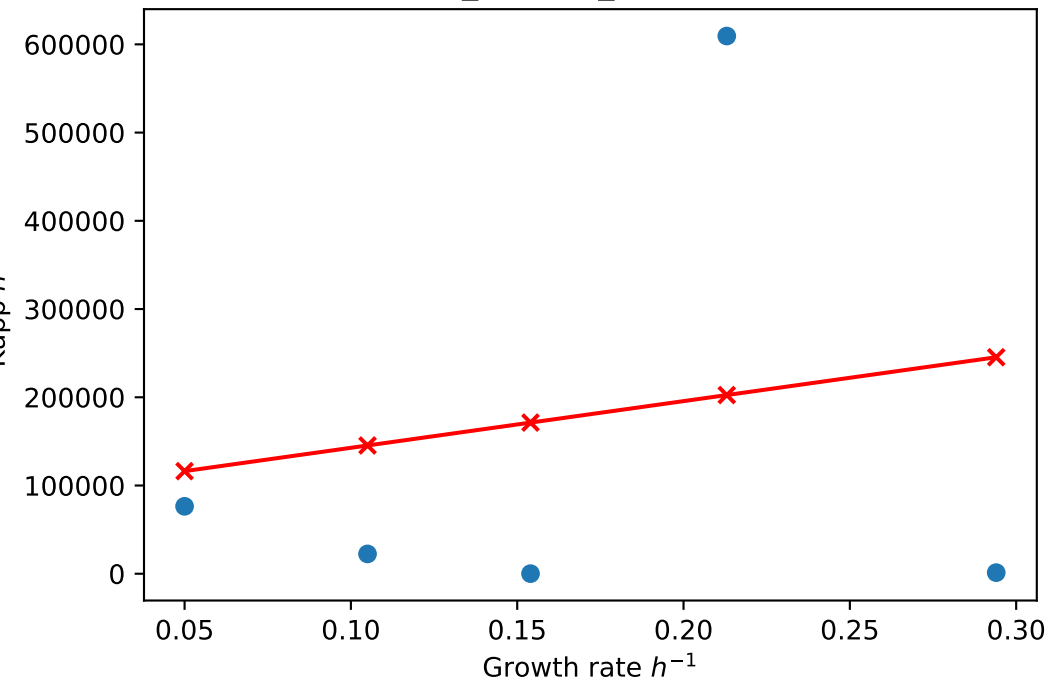
R_SULR_duplicate_2_enzyme



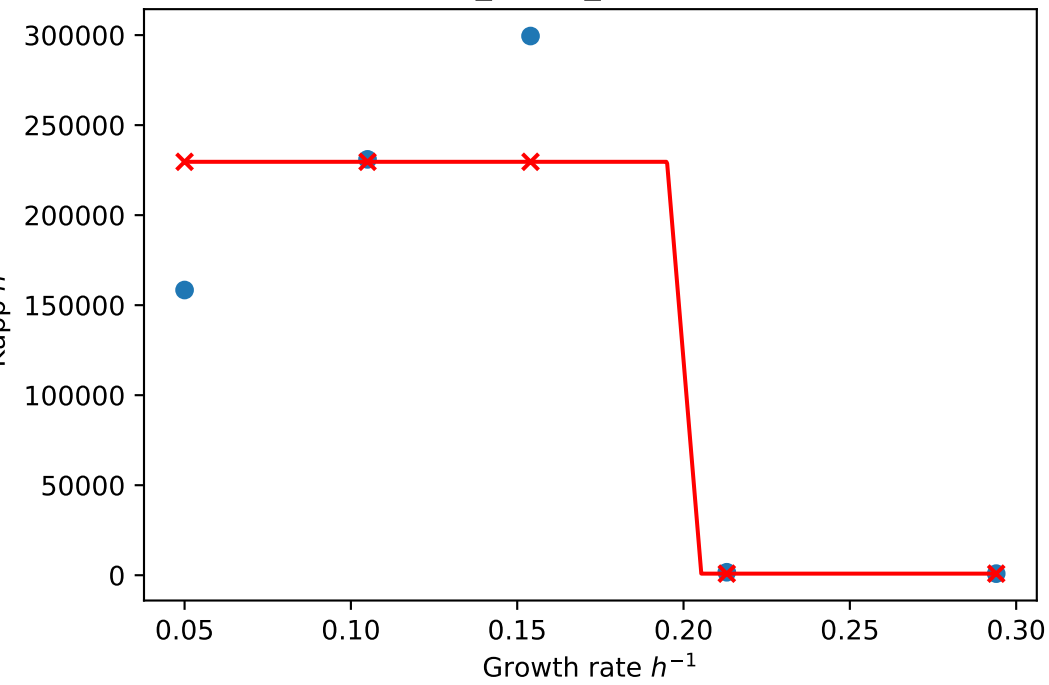
R_HICITDm_enzyme



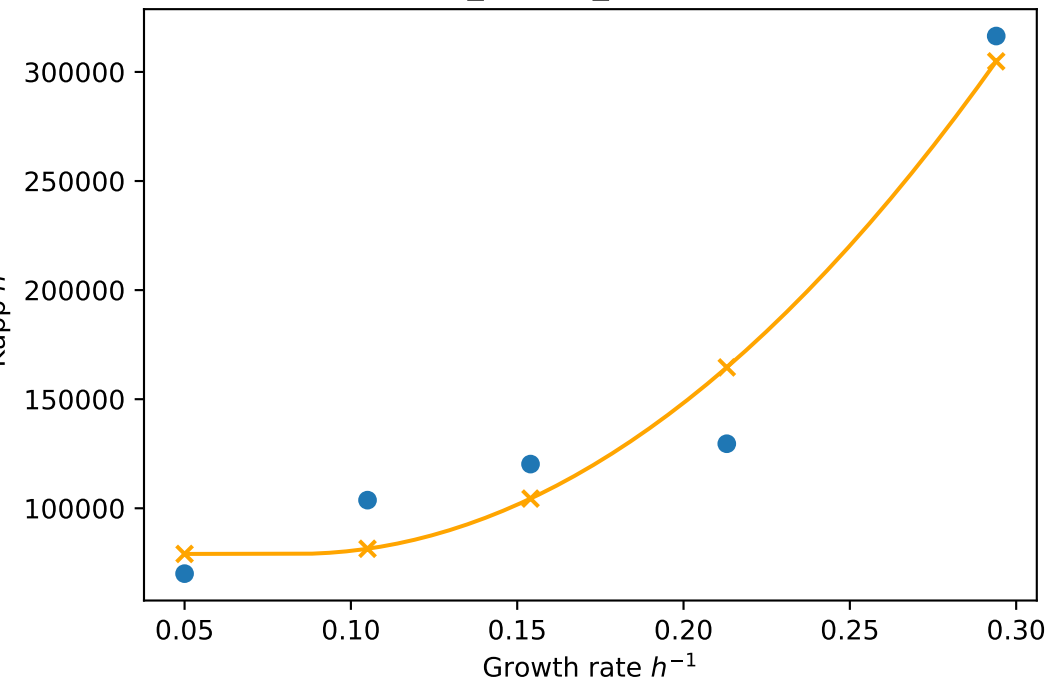
R_G3PDm_enzyme



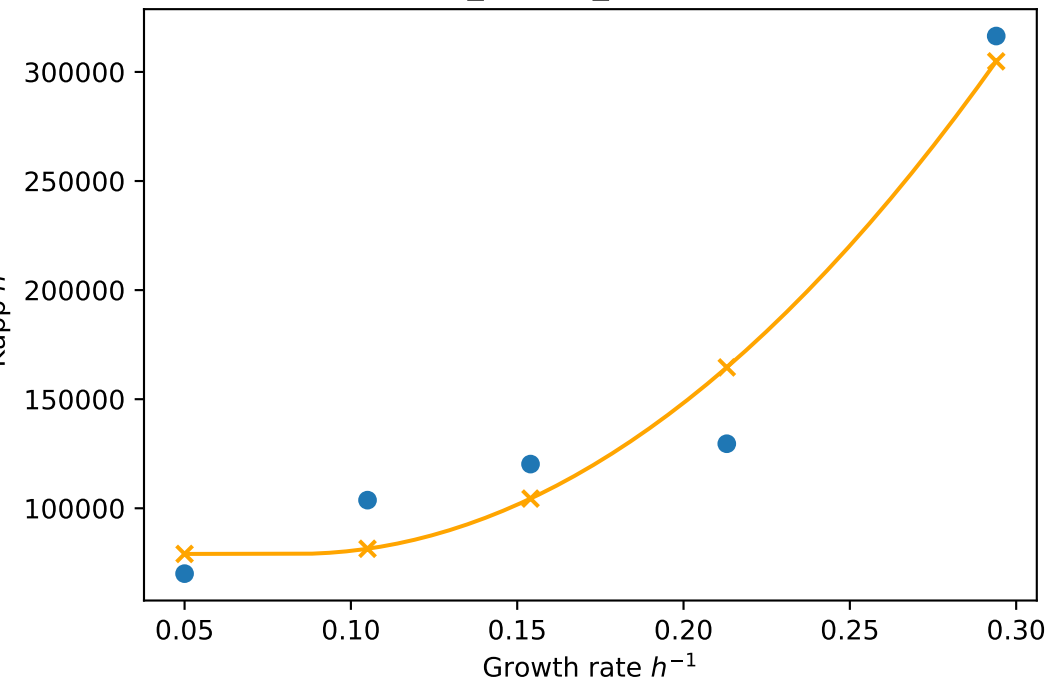
R_Plt2m_enzyme



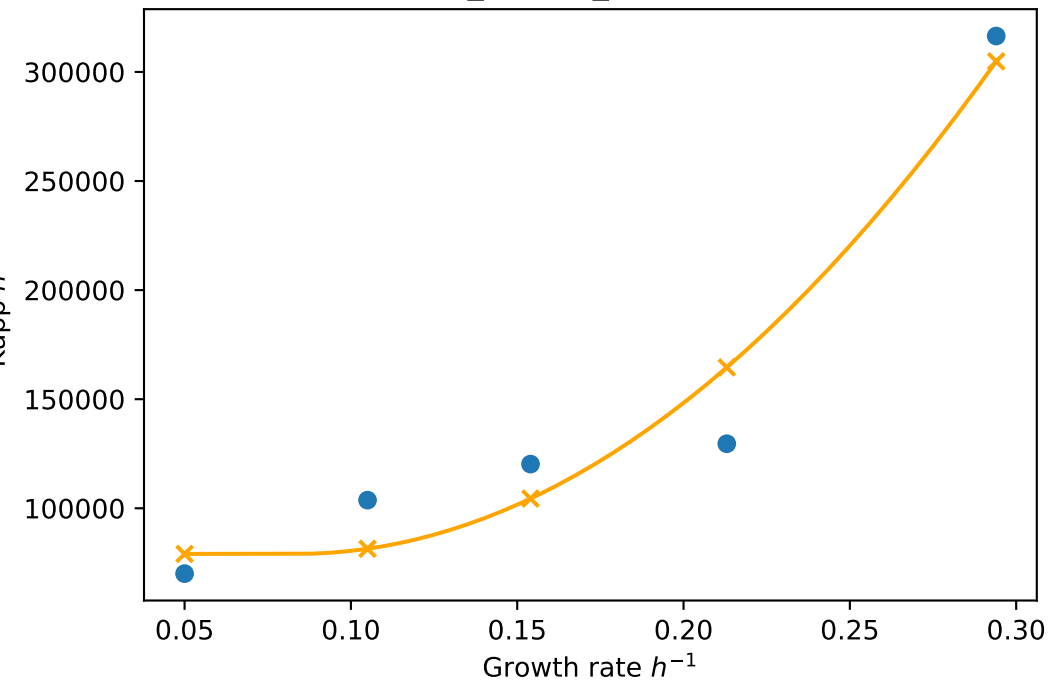
R_NDPK2_enzyme



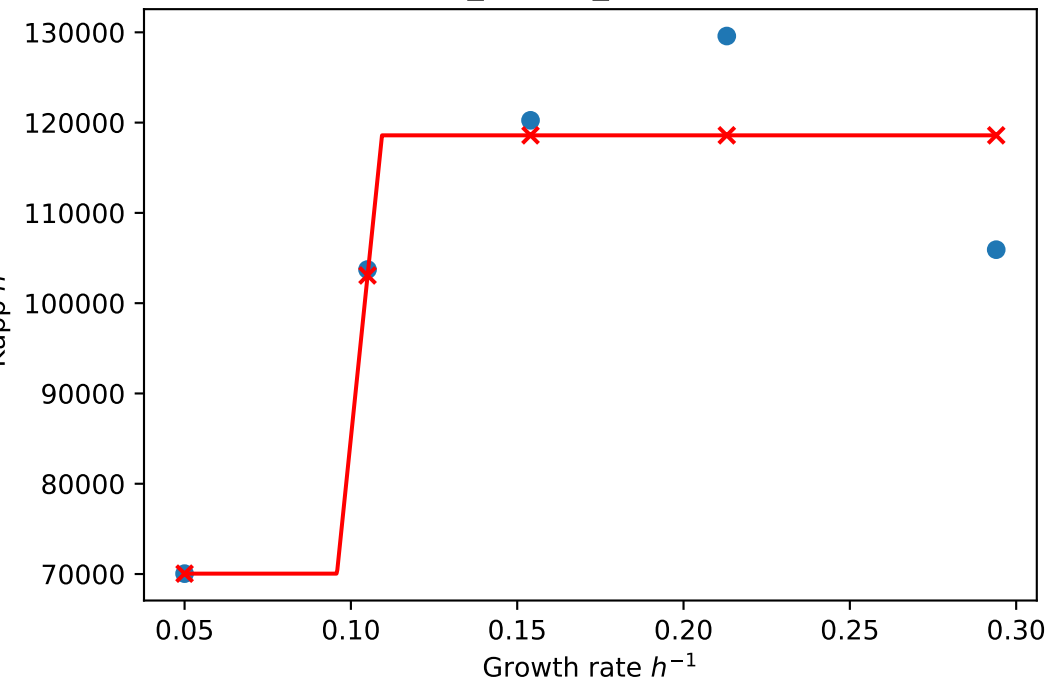
R_NDPK3_enzyme



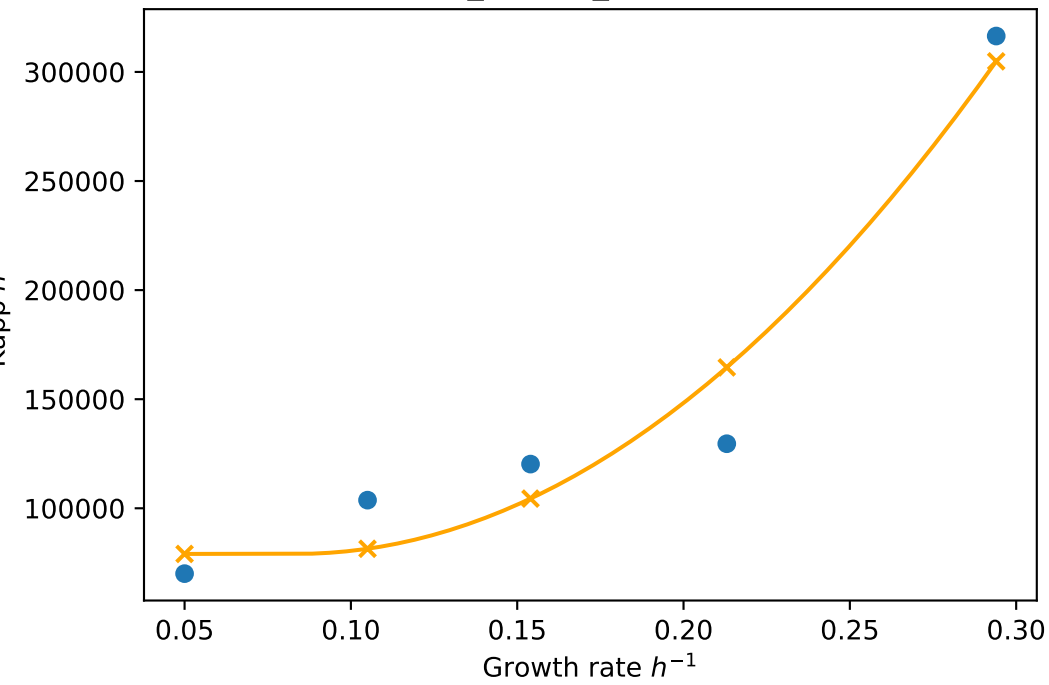
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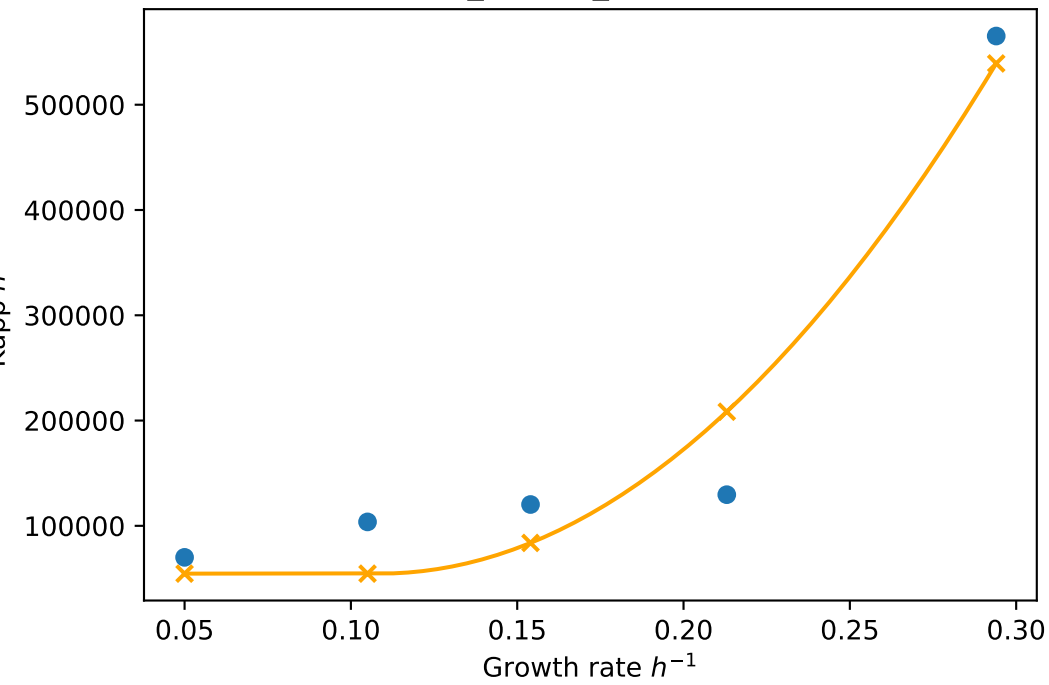
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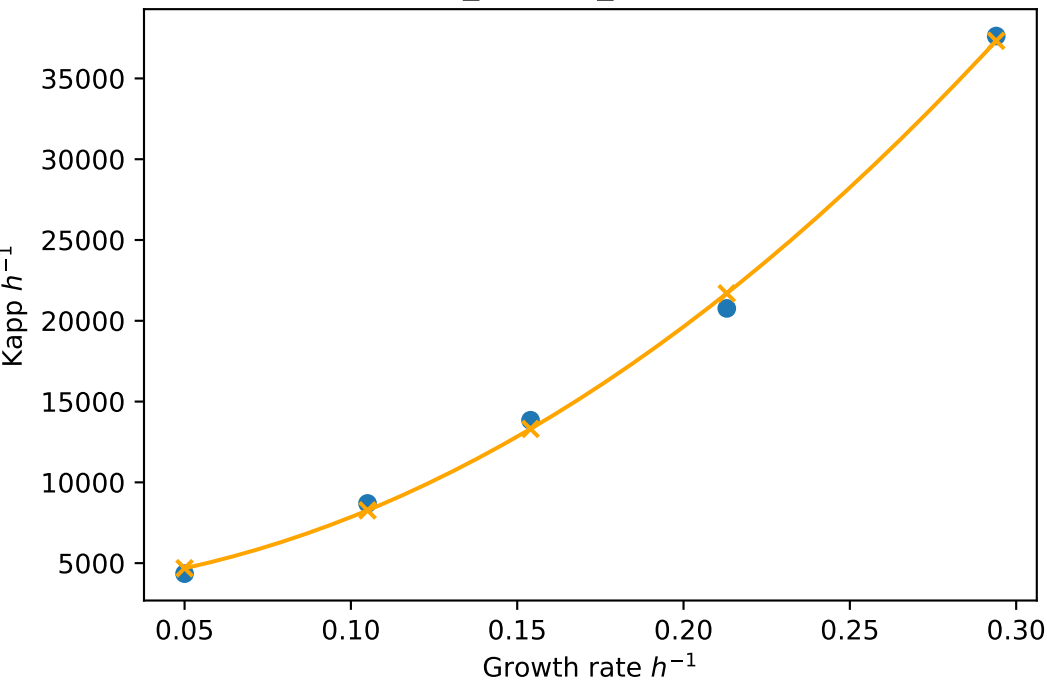
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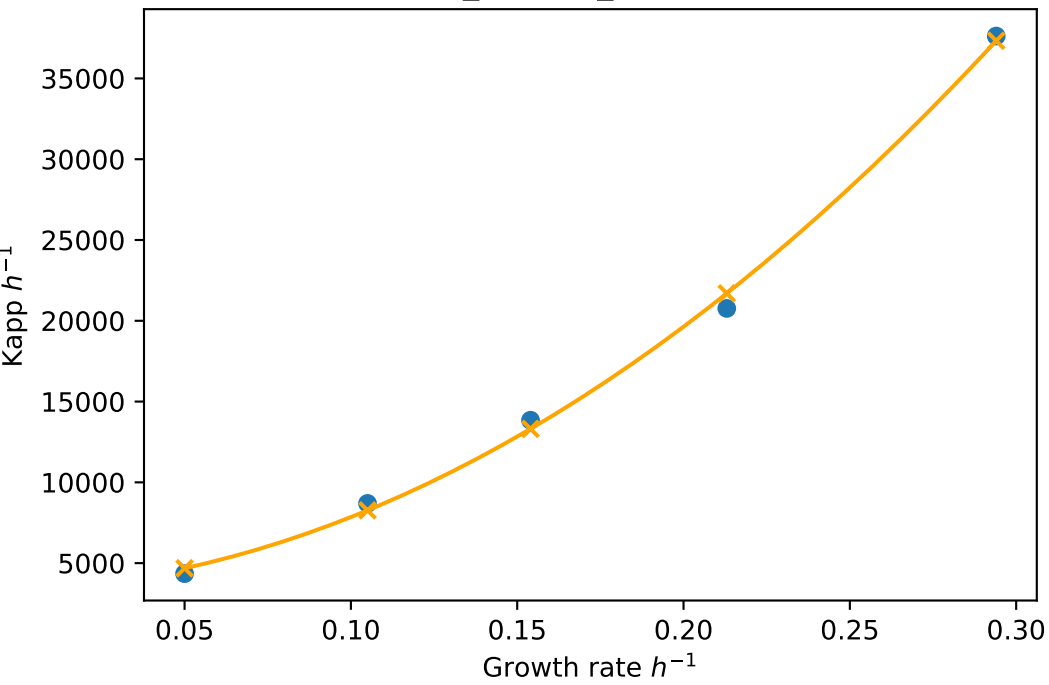
R_NDPK8_enzyme



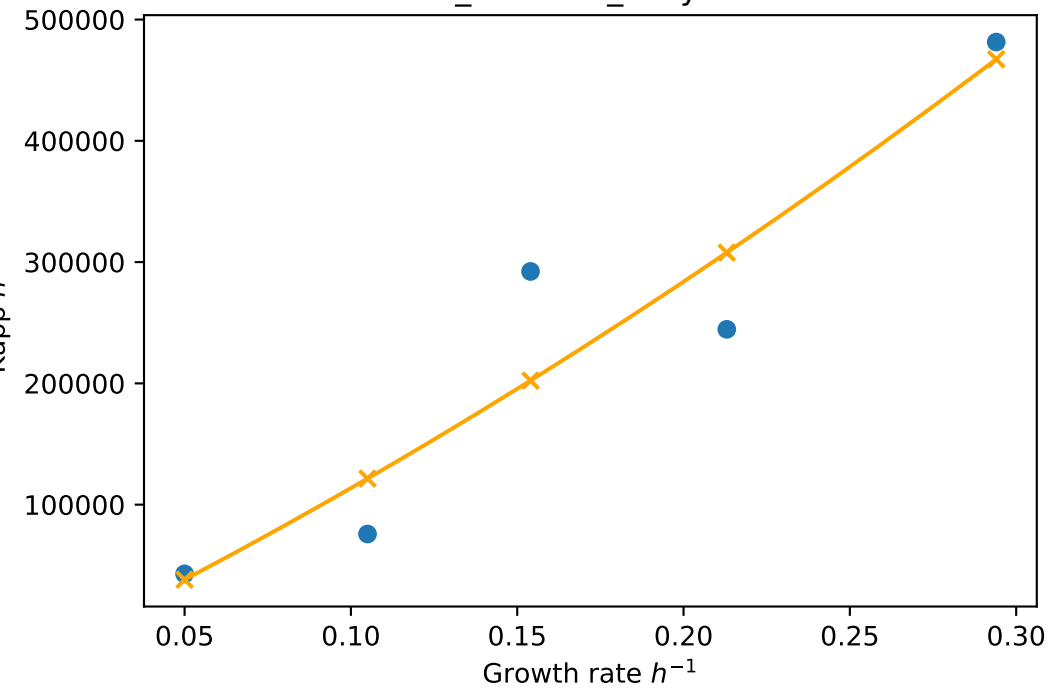
R_ADSSL1r_enzyme



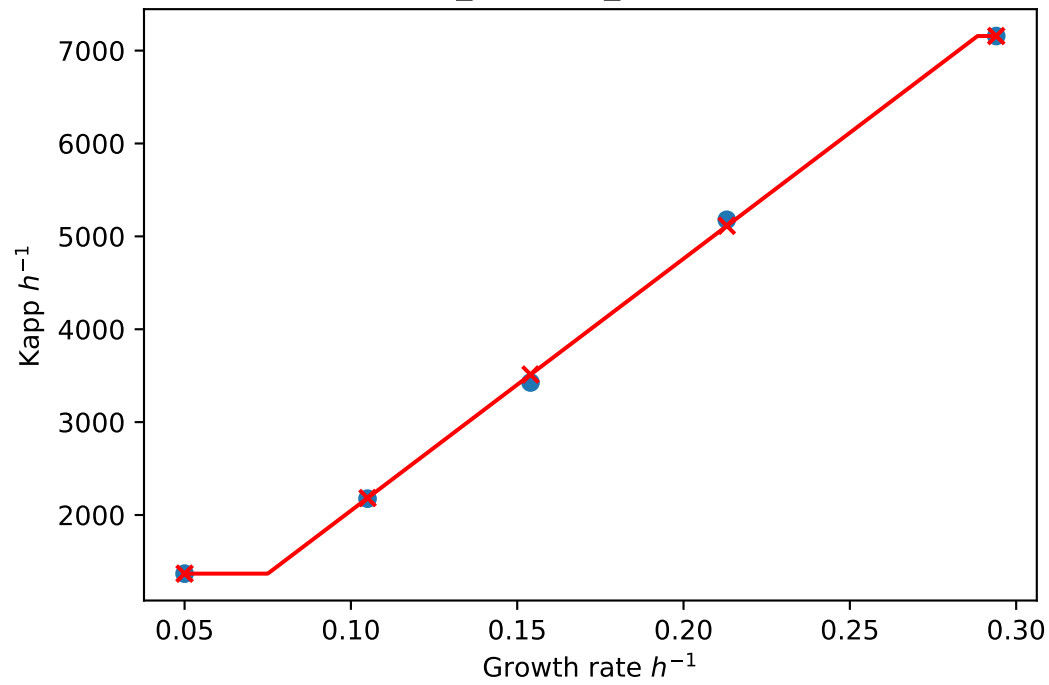
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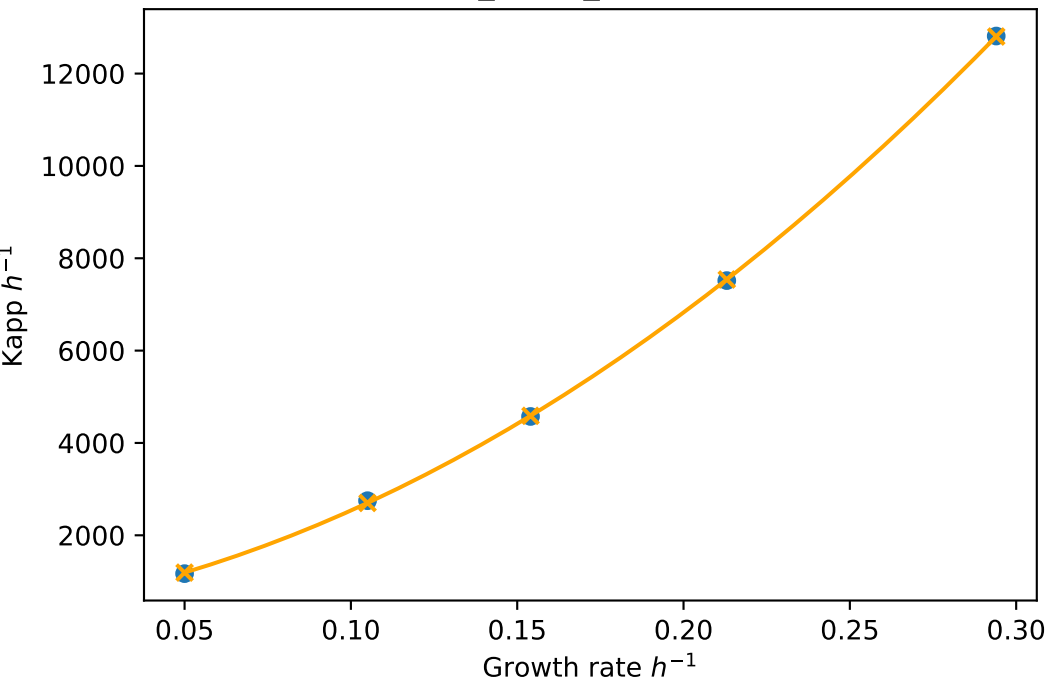
R_ACCOAC_enzyme



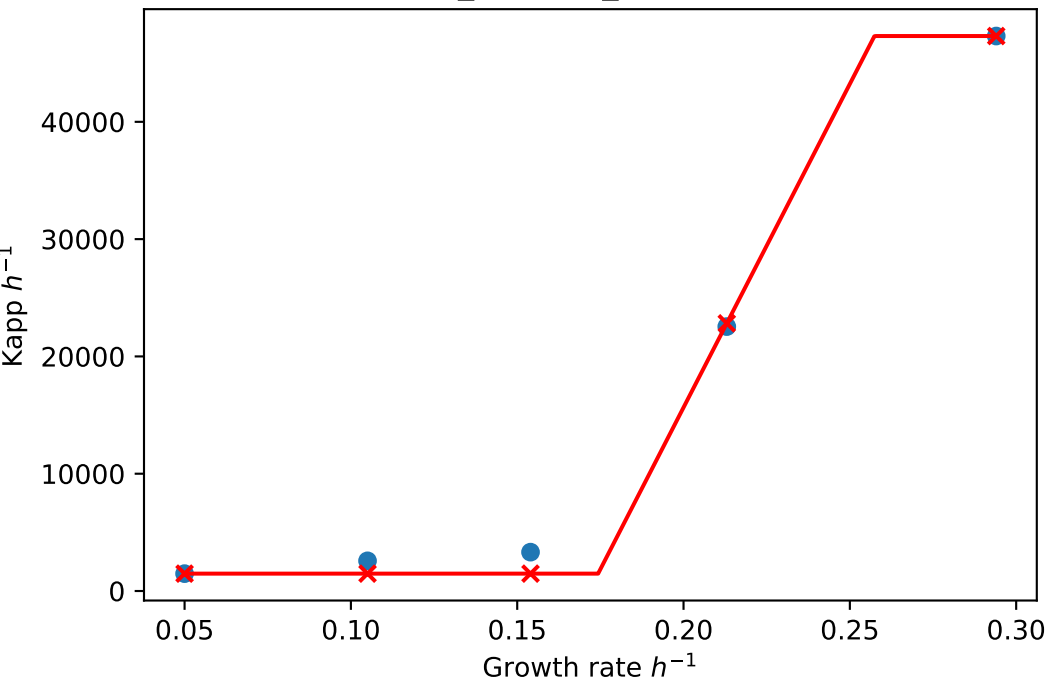
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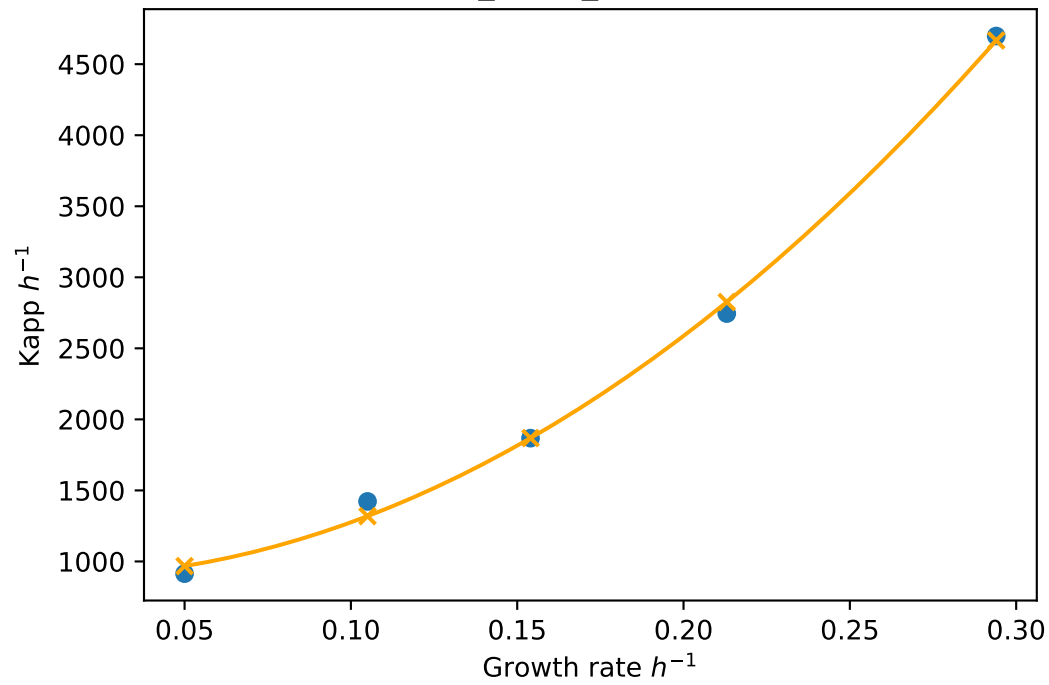
R_AIRCr_enzyme



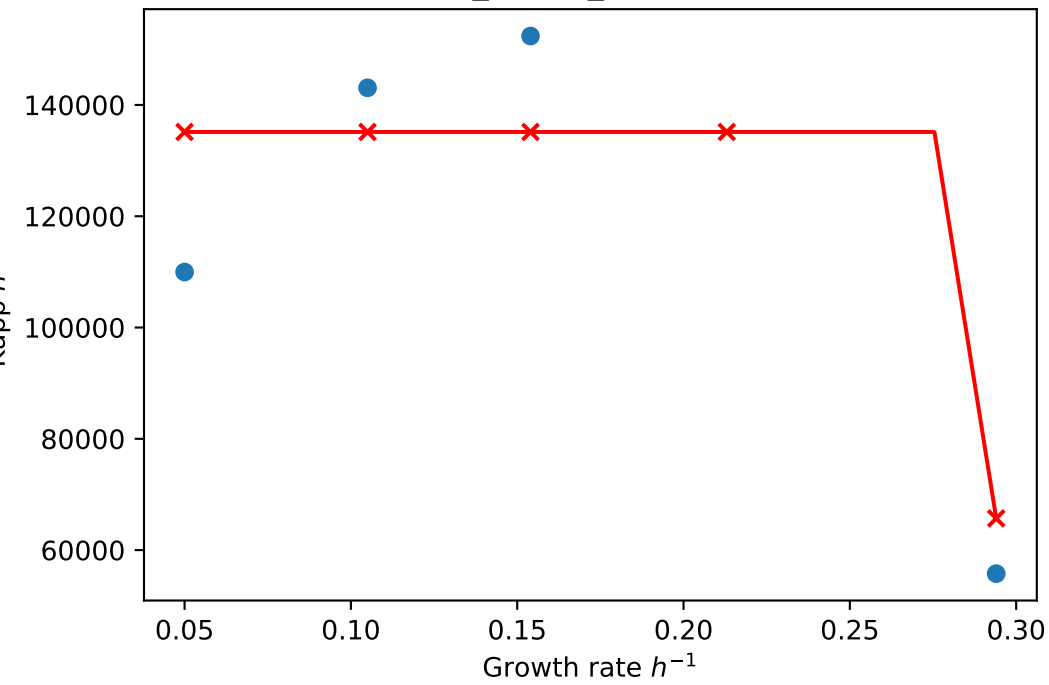
R_ALDD2y_enzyme



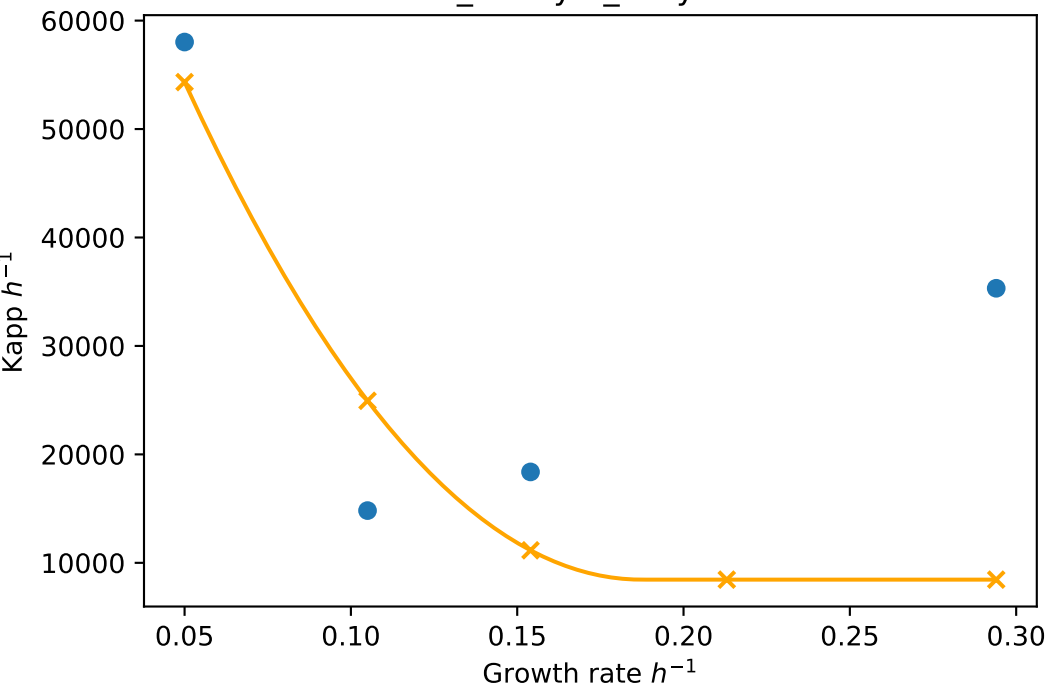
R_IPDDI_enzyme



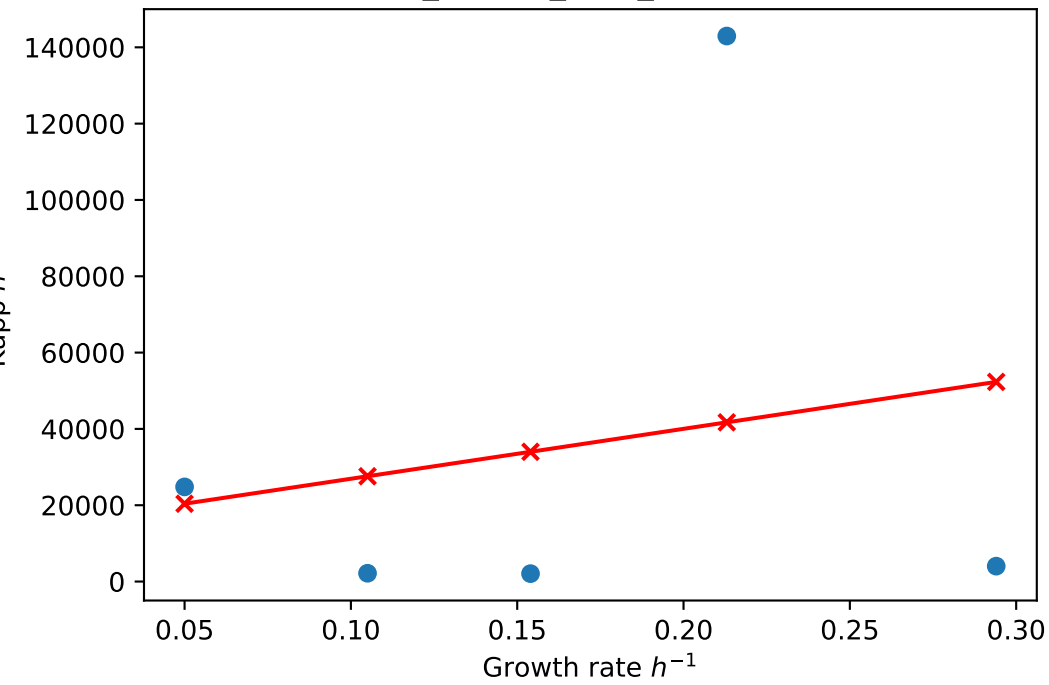
R_PDHm_enzyme



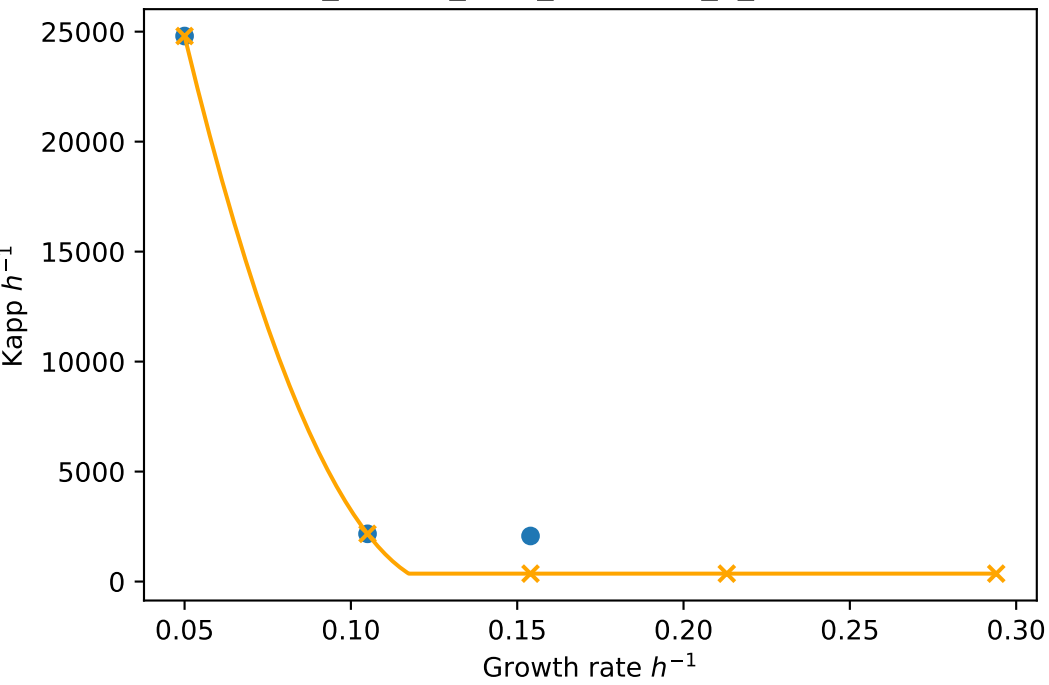
R_ICDHym_enzyme



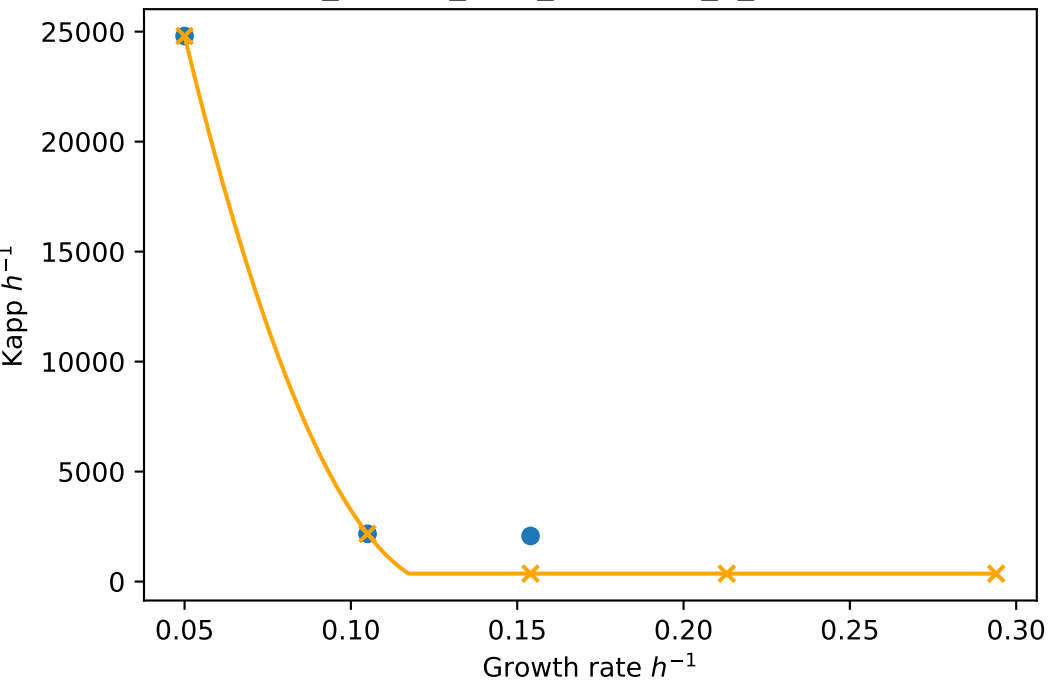
R_SUCD2_u6m_enzyme



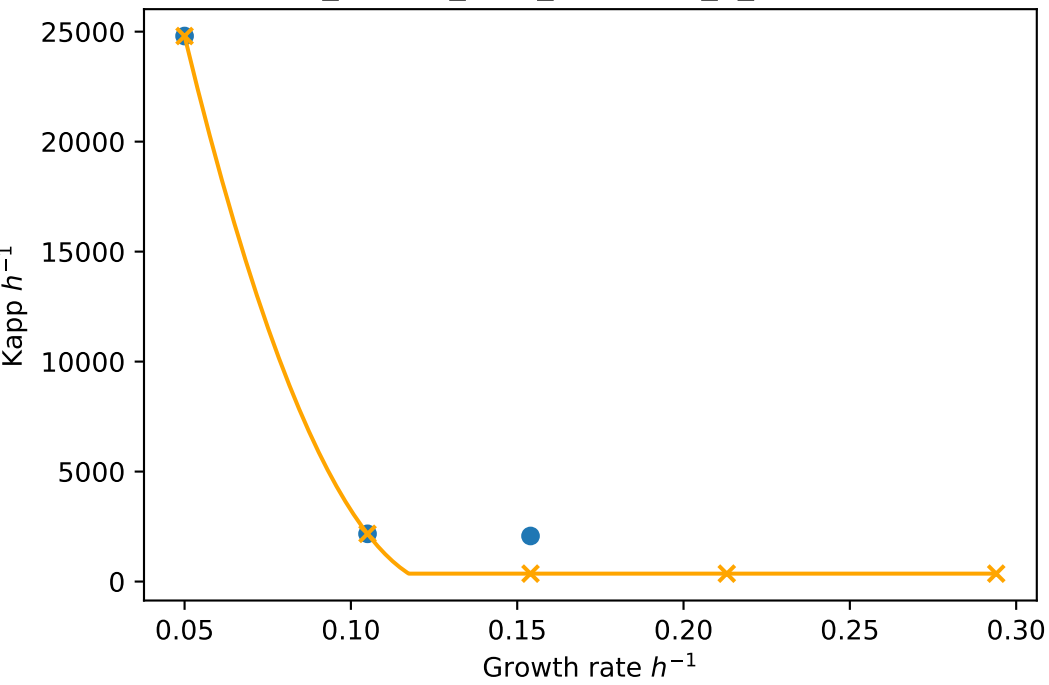
R_SUCD2_u6m_duplicate_2_enzyme



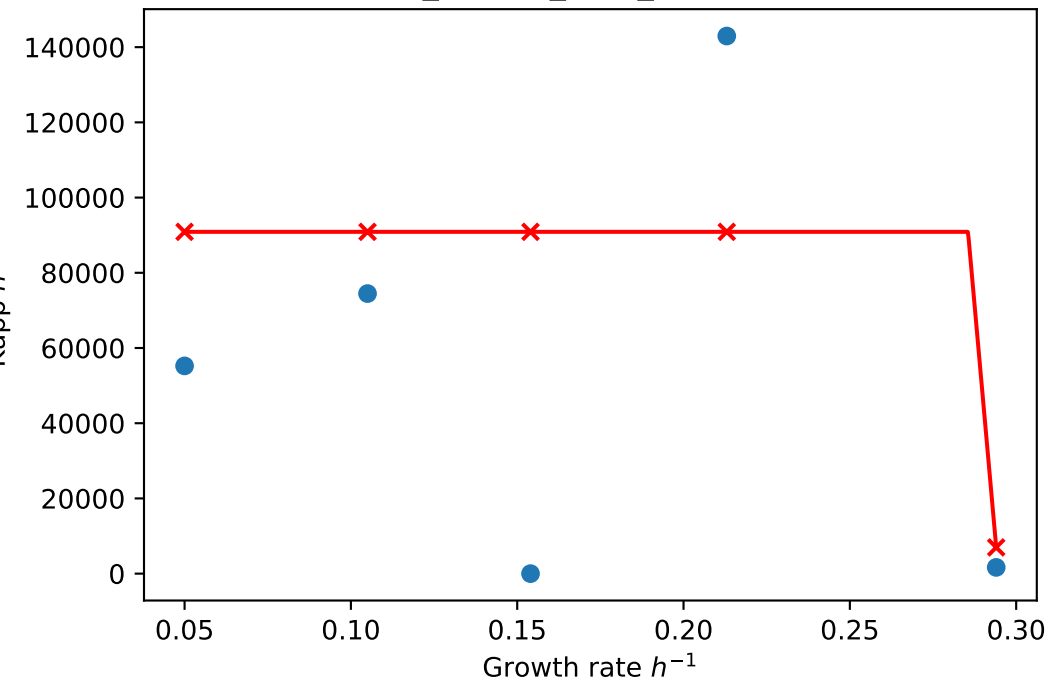
R_SUCD2_u6m_duplicate_3_enzyme



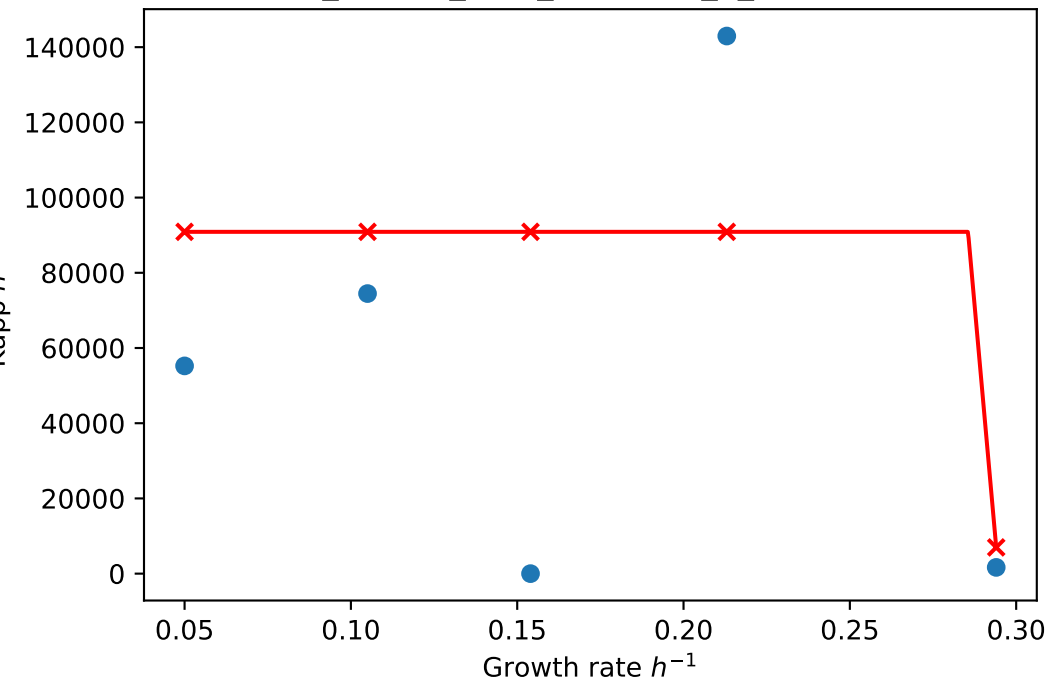
R_SUCD2_u6m_duplicate_4_enzyme



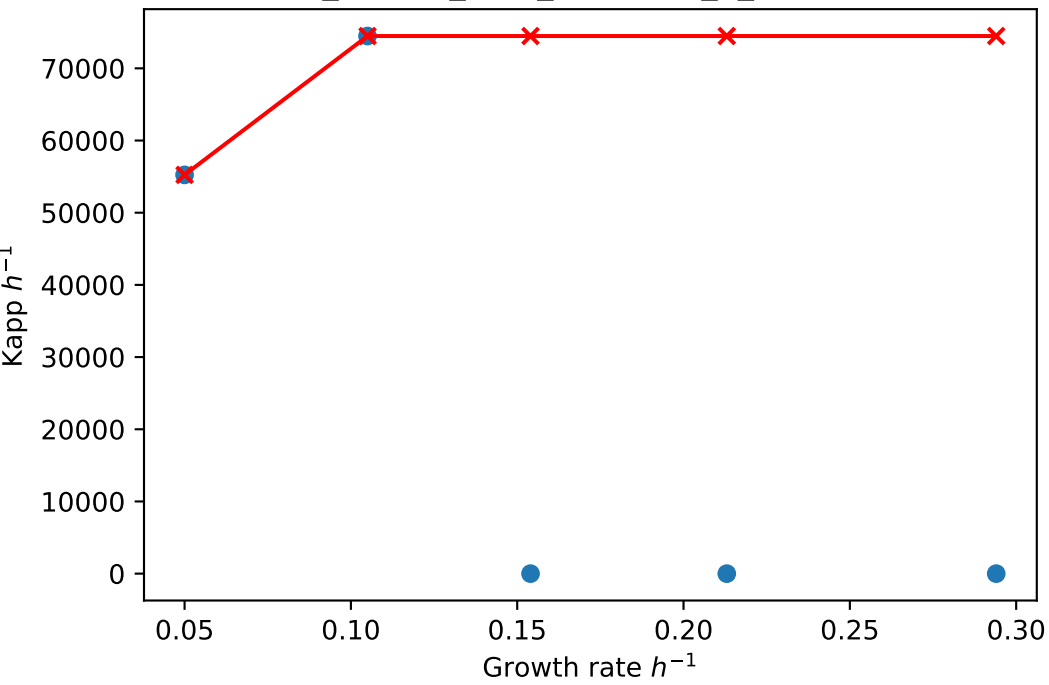
R_SUCD3_u6m_enzyme



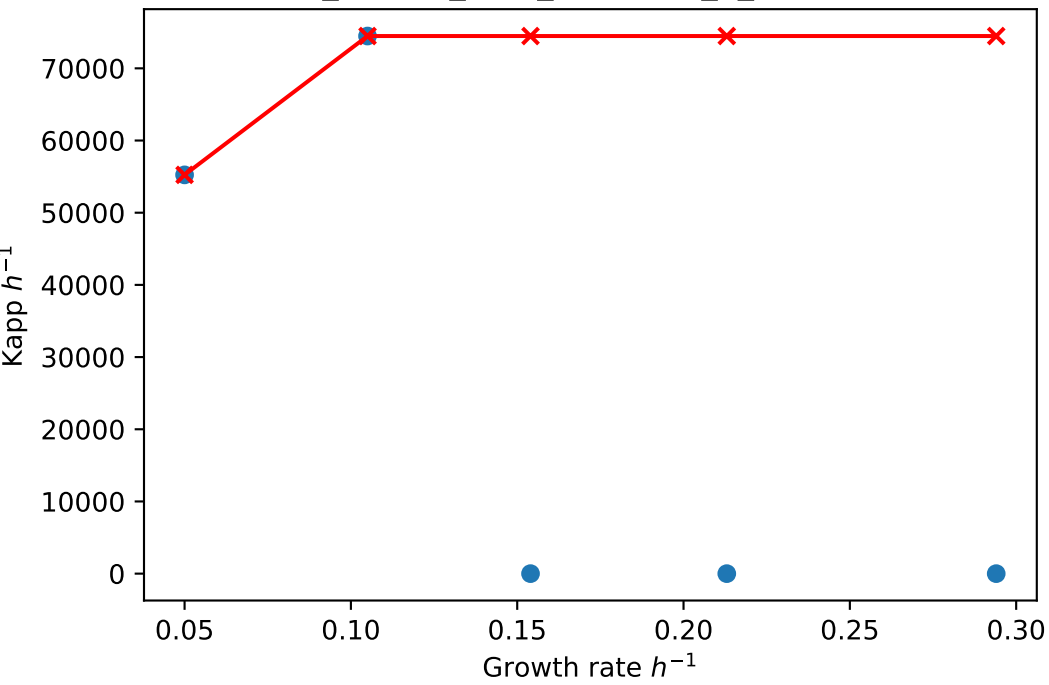
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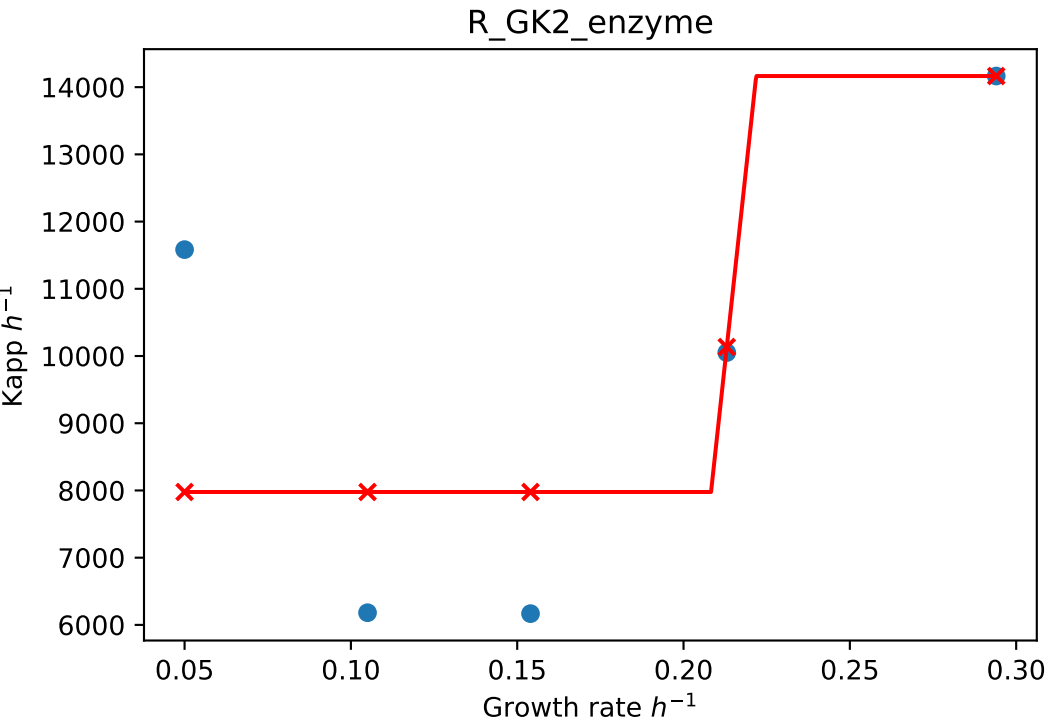


R_SUCD3_u6m_duplicate_3_enzyme

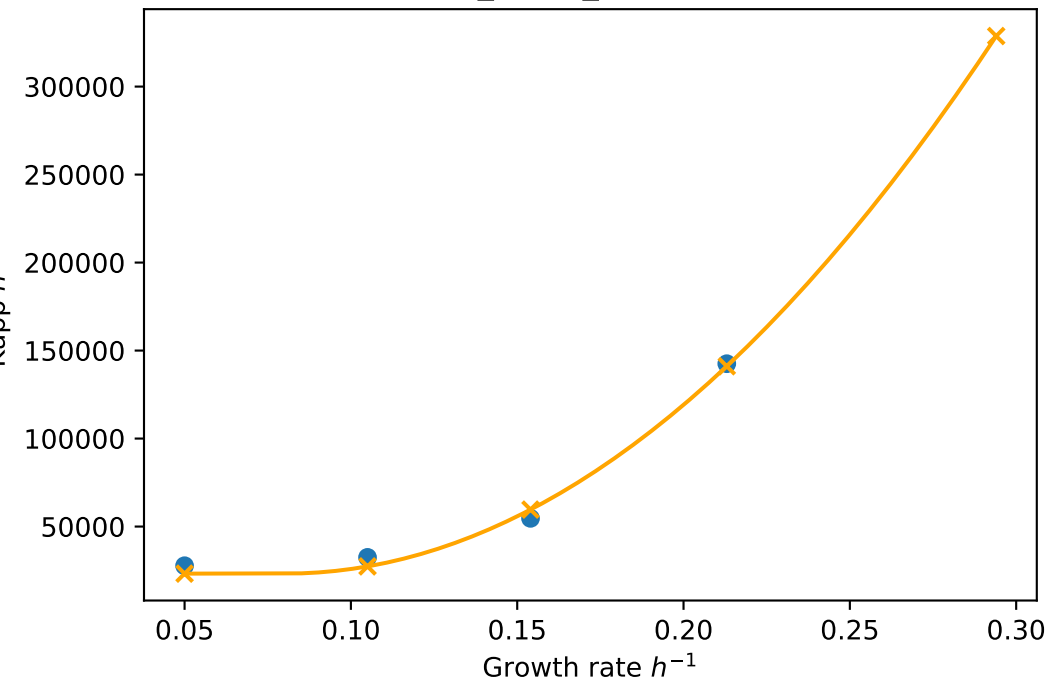


R_SUCD3_u6m_duplicate_4_enzyme

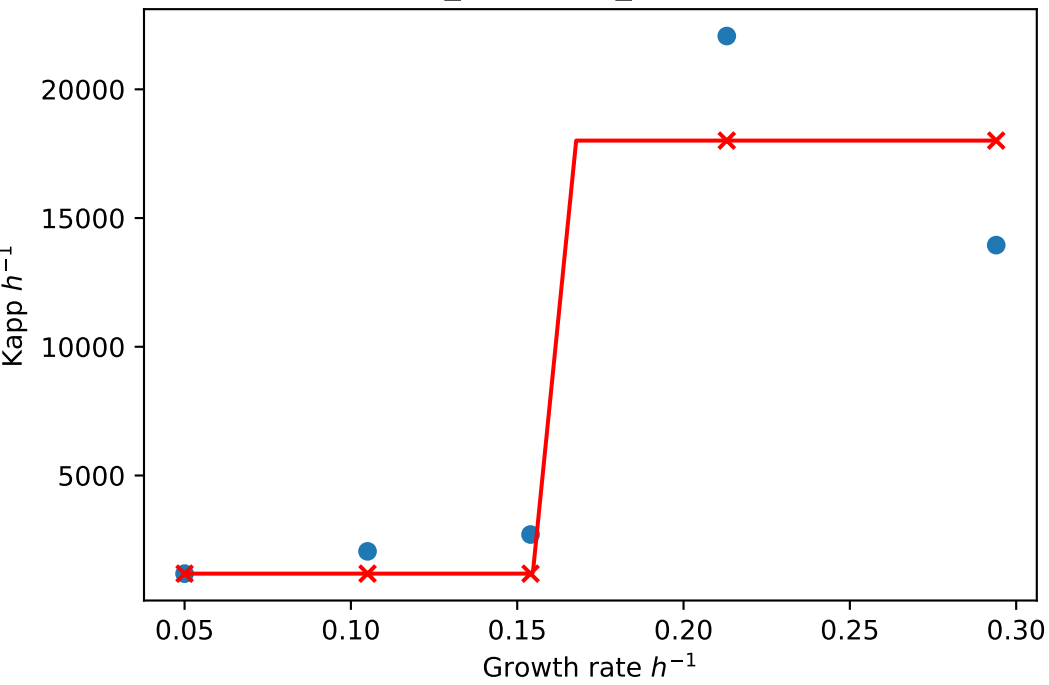




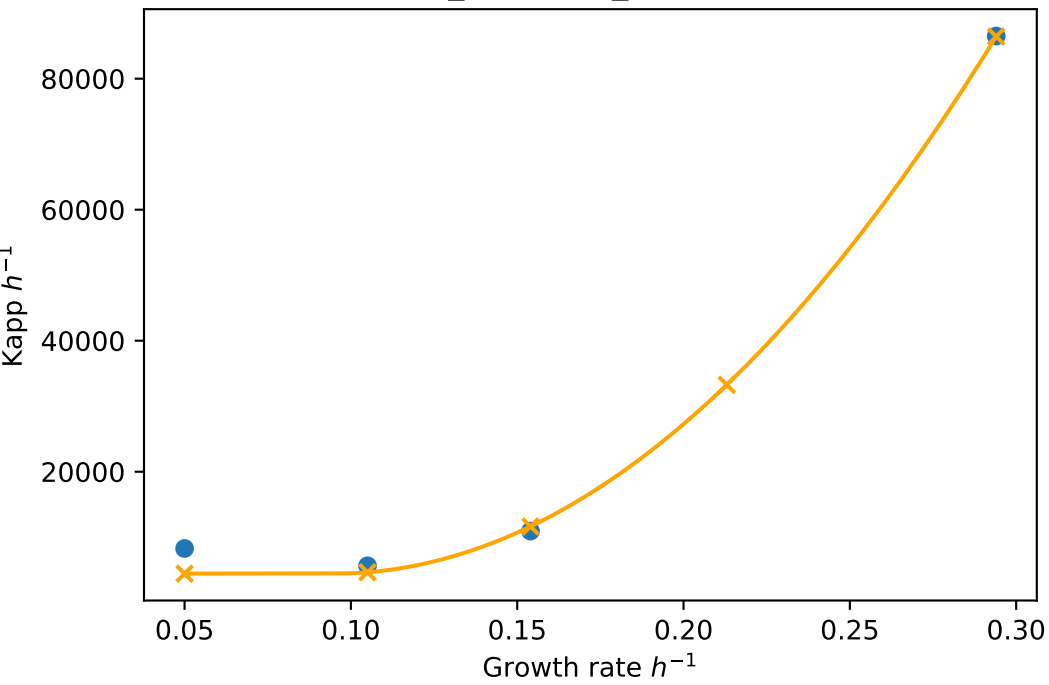
R_GBEZ_enzyme



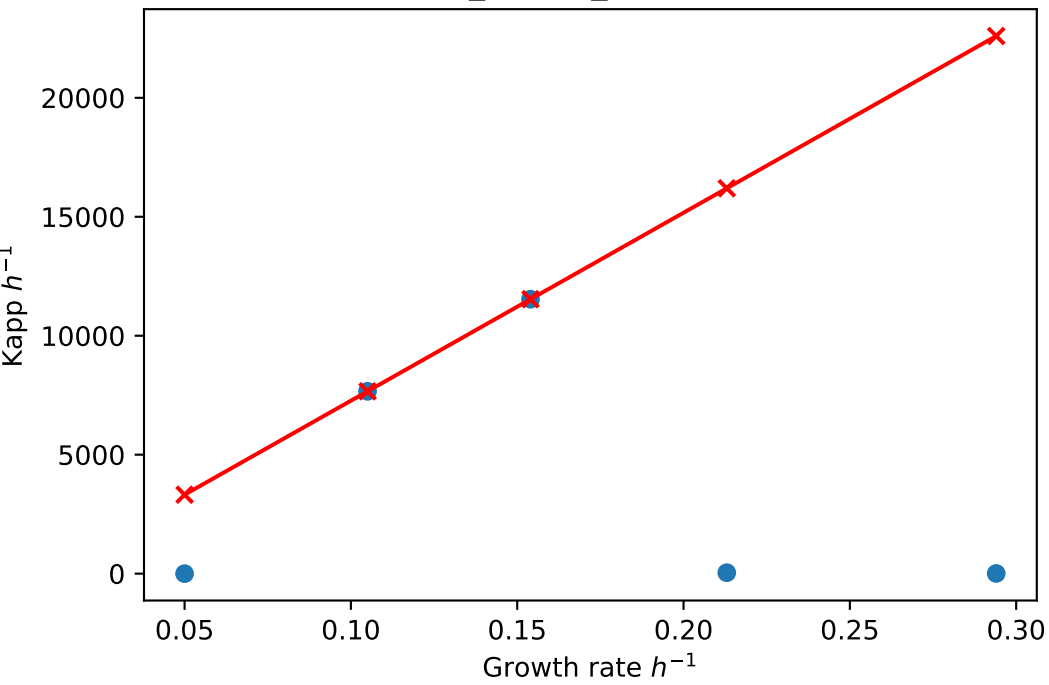
R_LNS14DM_enzyme



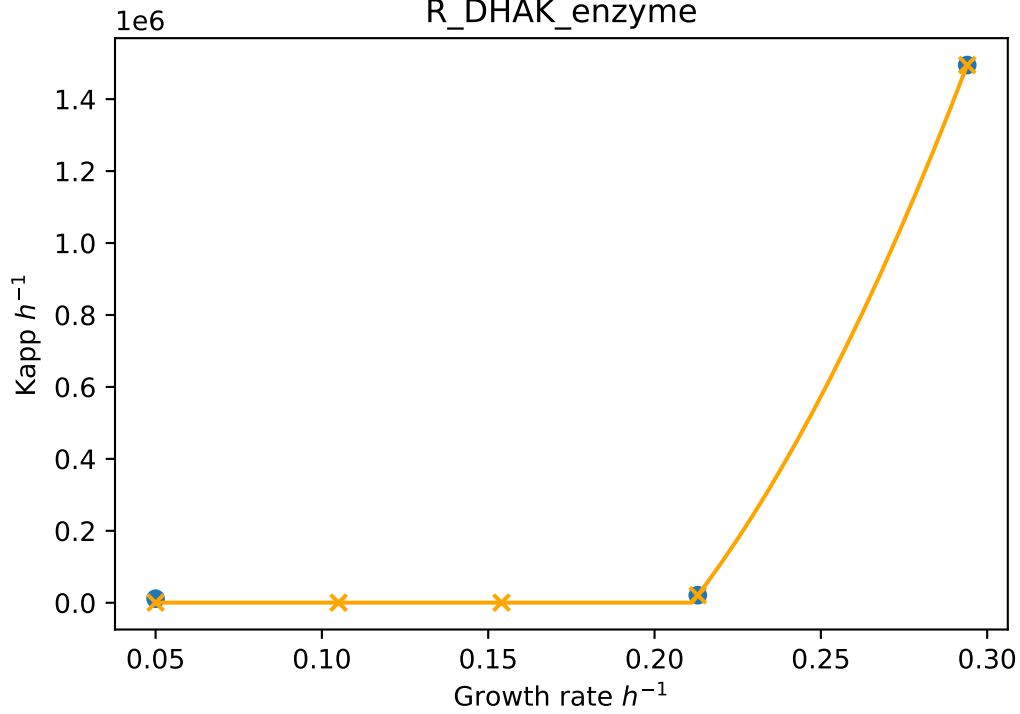
R_C22STDS_enzyme

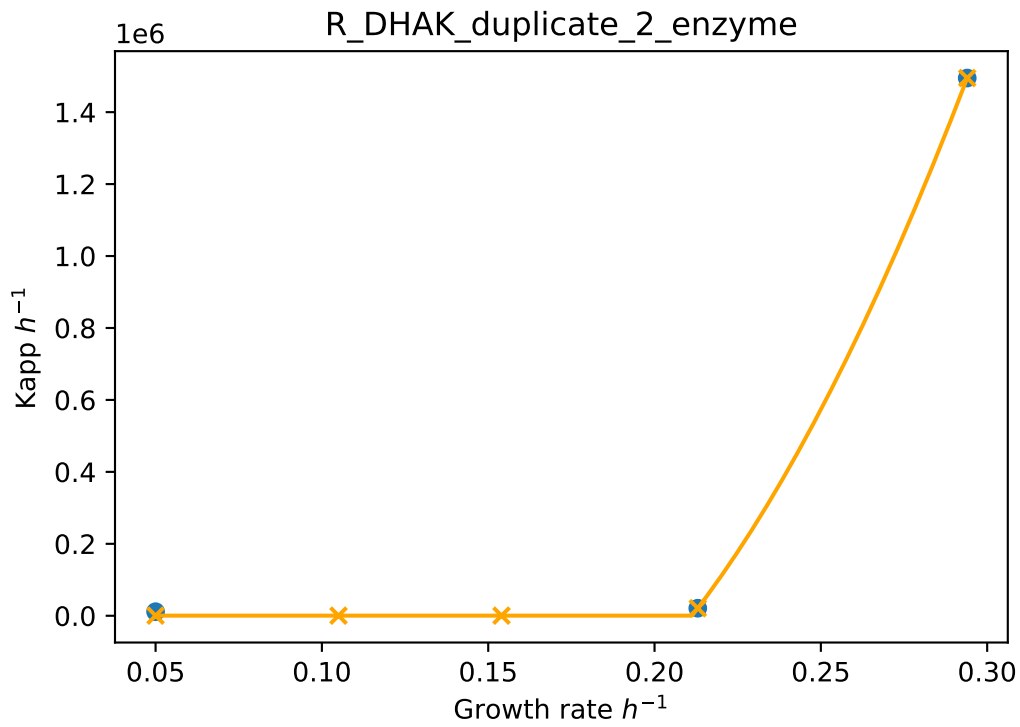


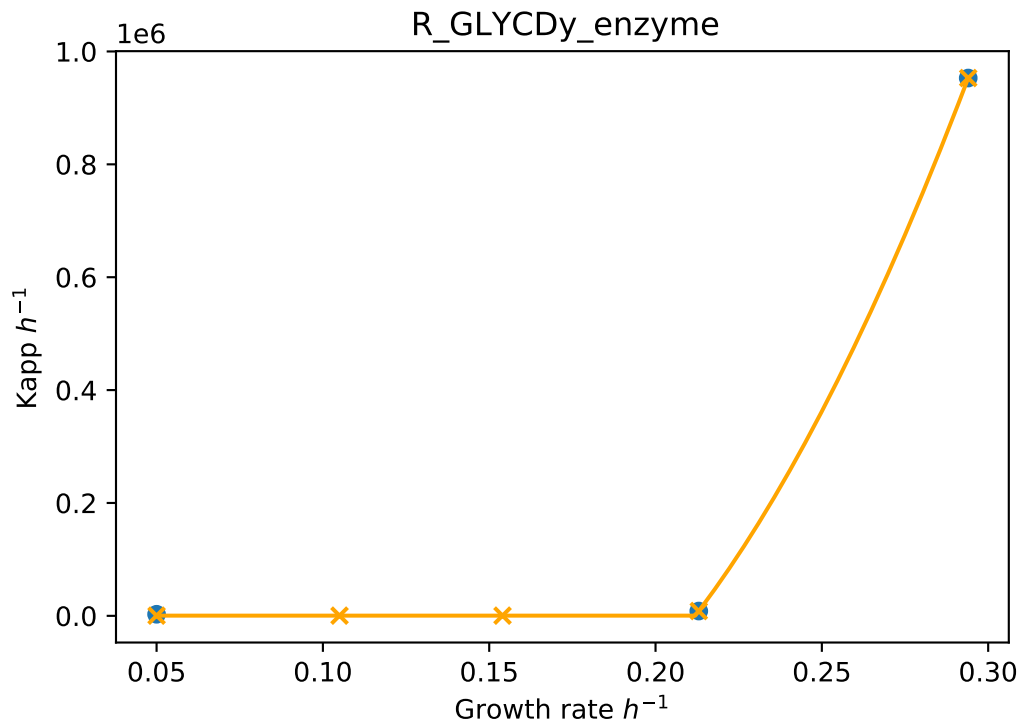
R_PUNP1_enzyme



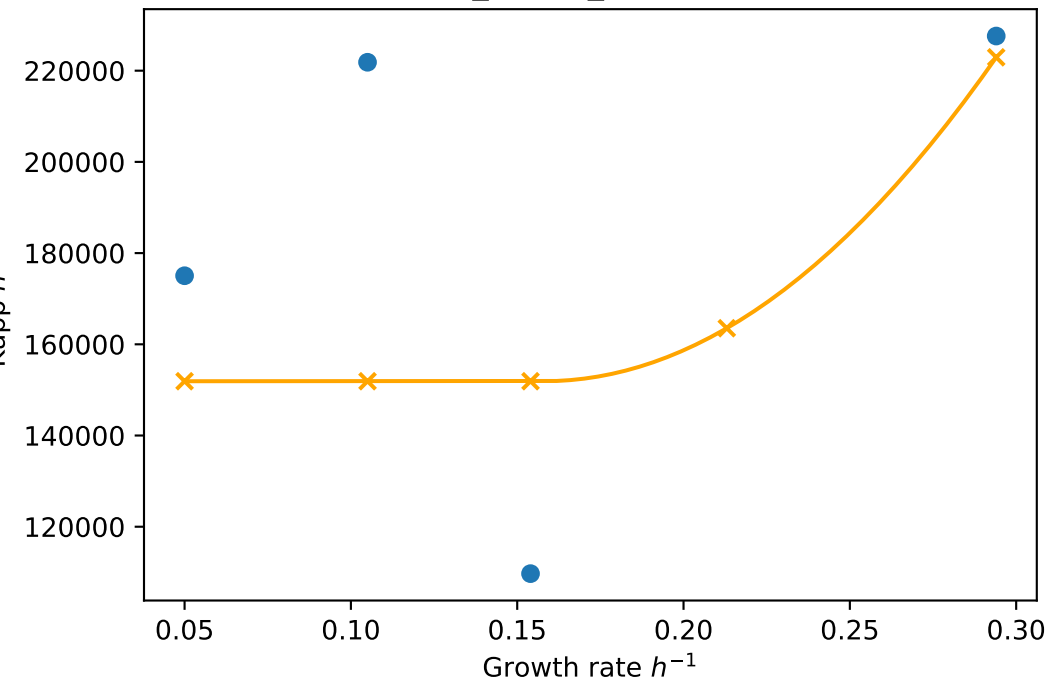
R_DHAK_enzyme



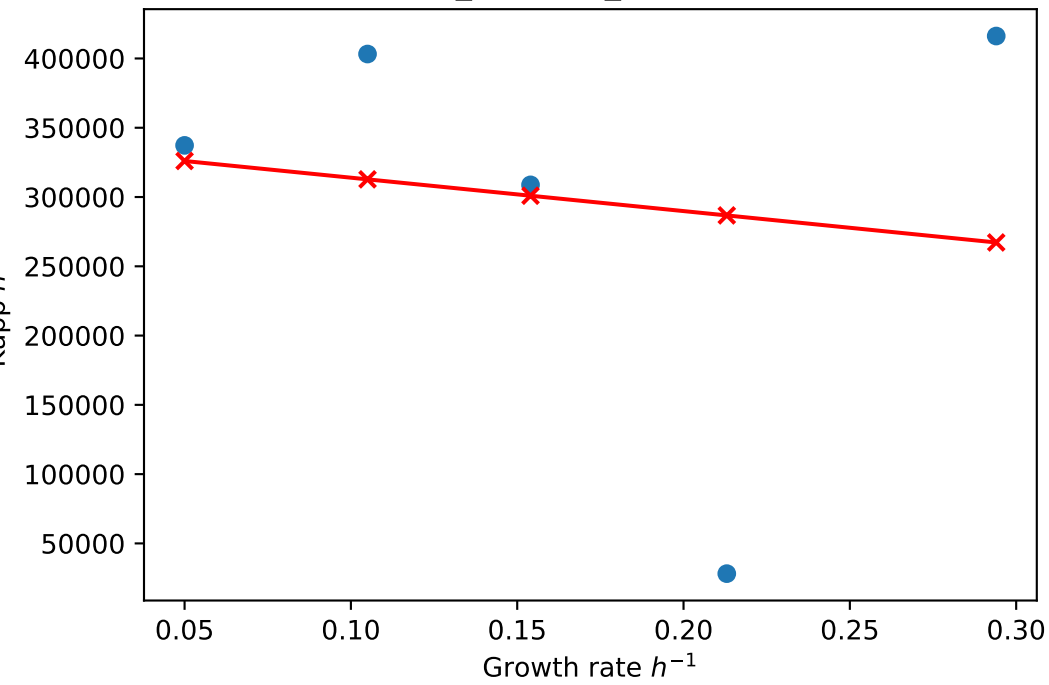




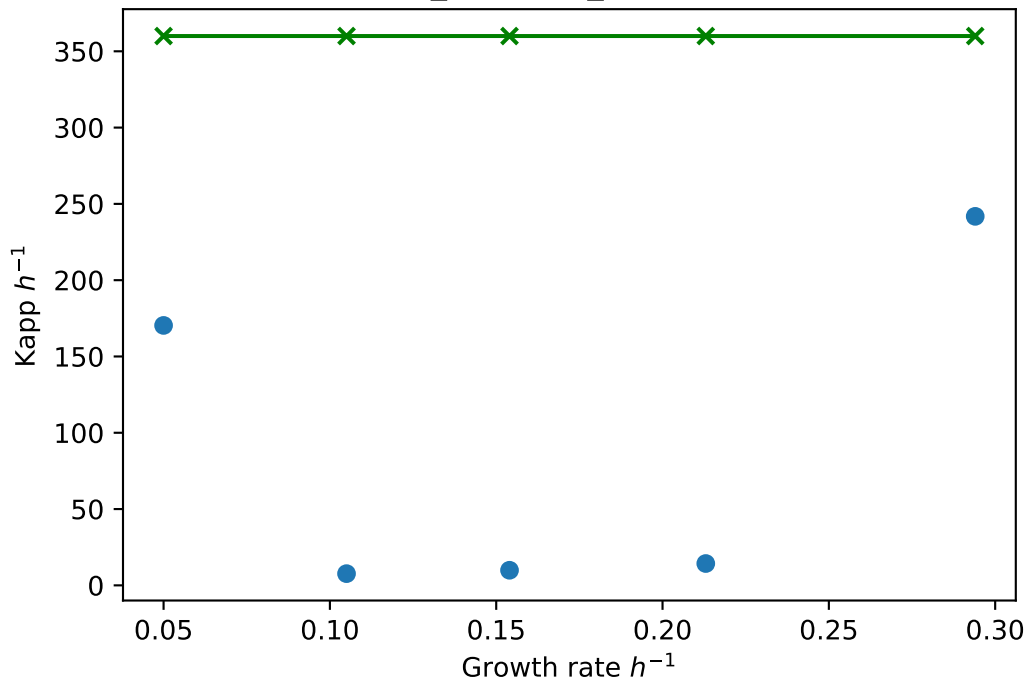
R_ME2m_enzyme



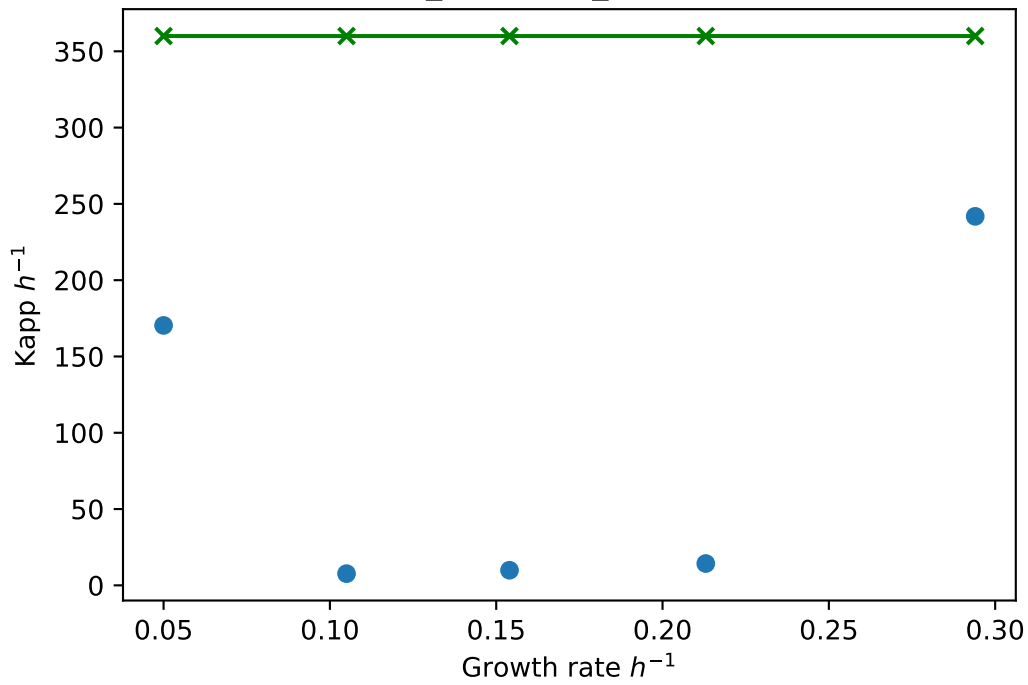
R_OAAt2m_enzyme



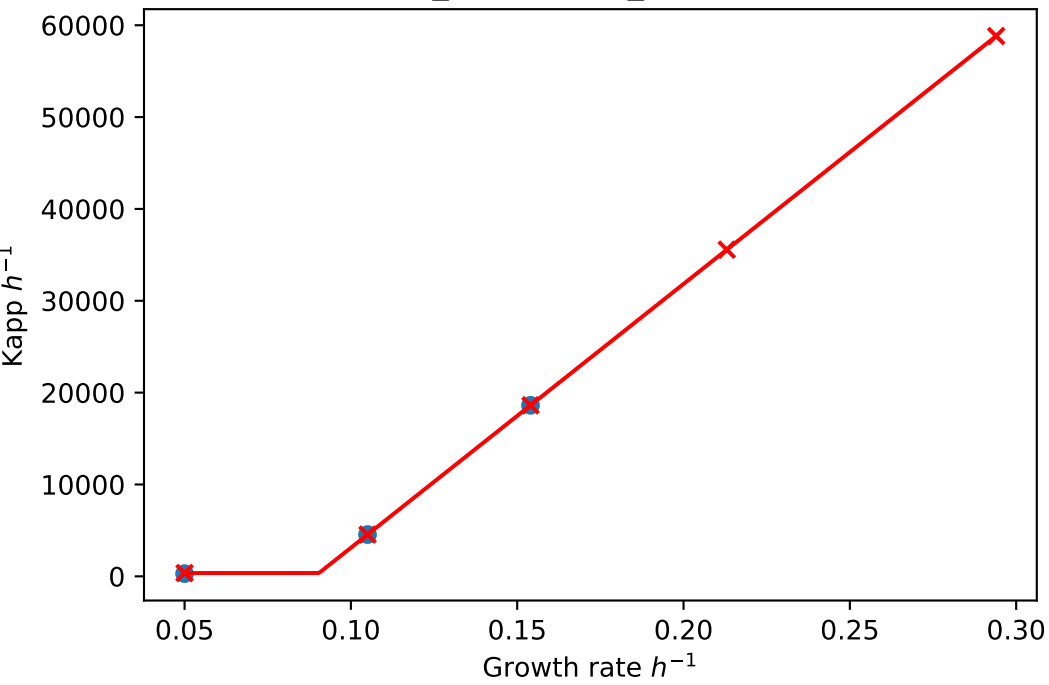
R_GCC2am_enzyme



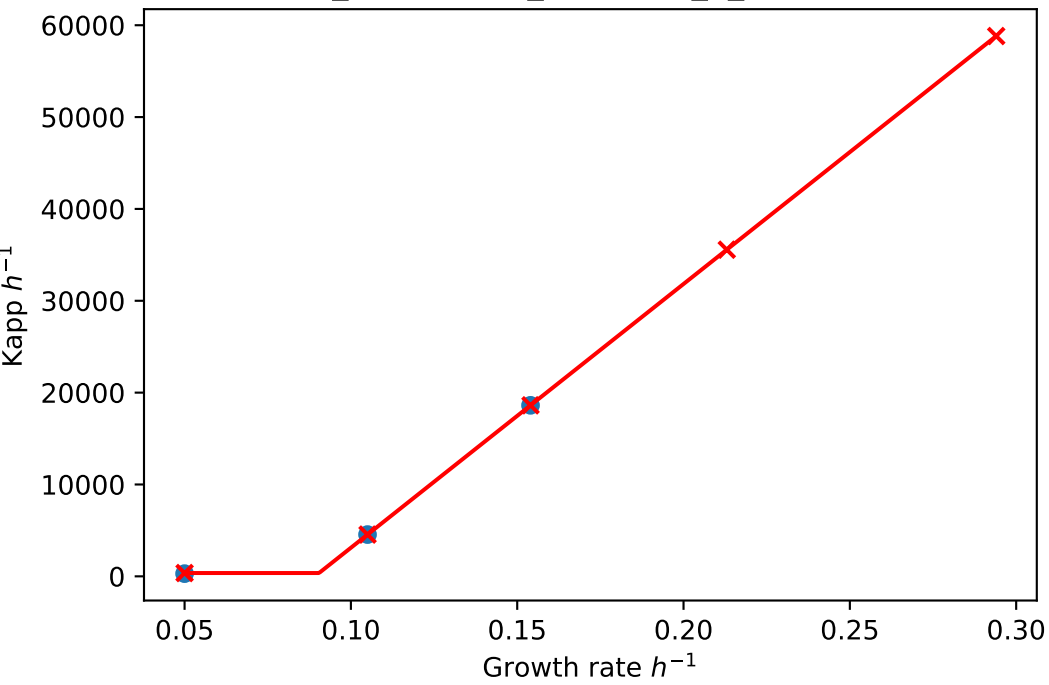
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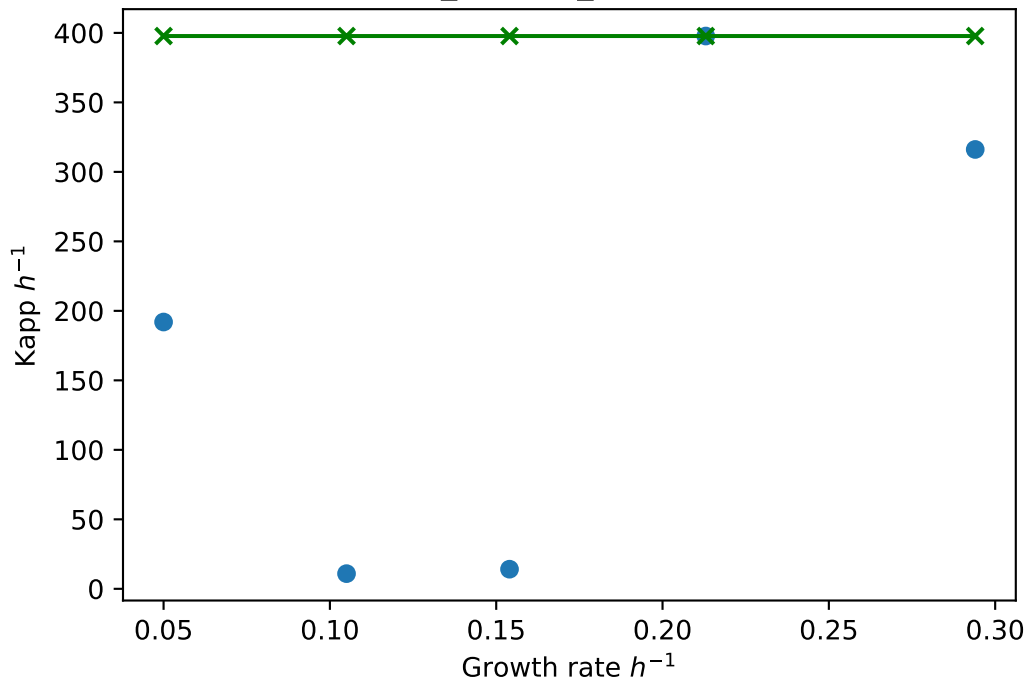
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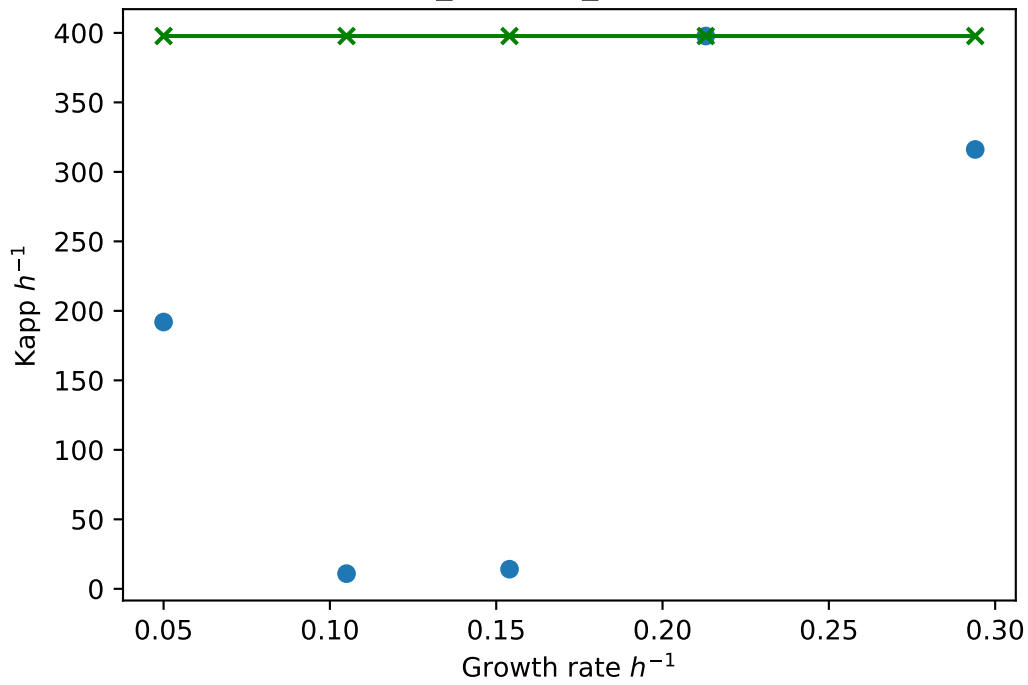
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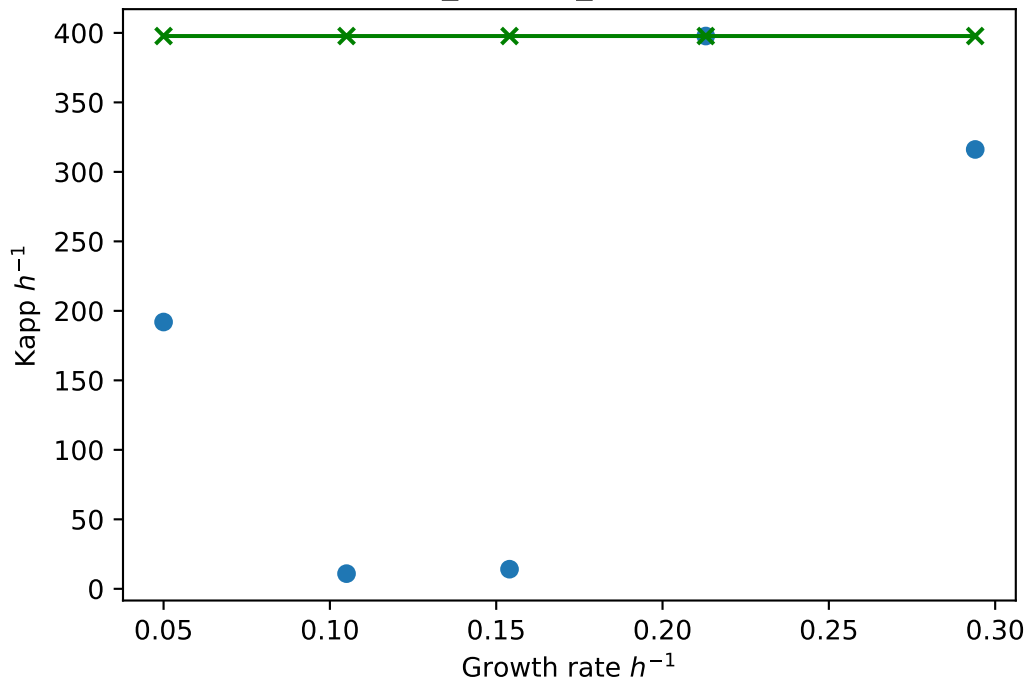
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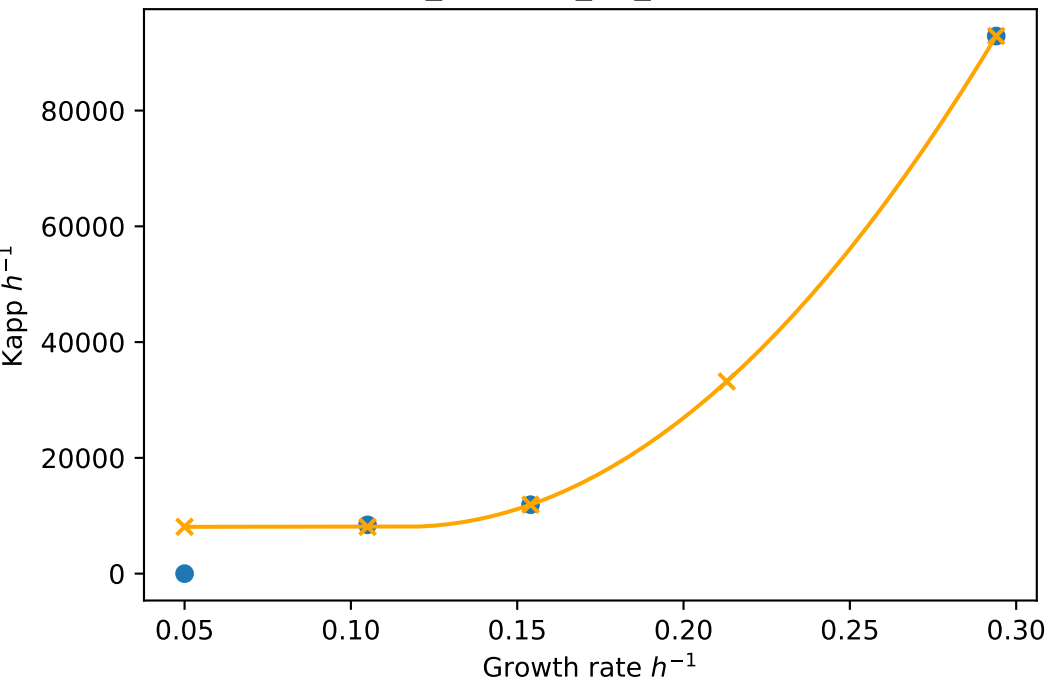
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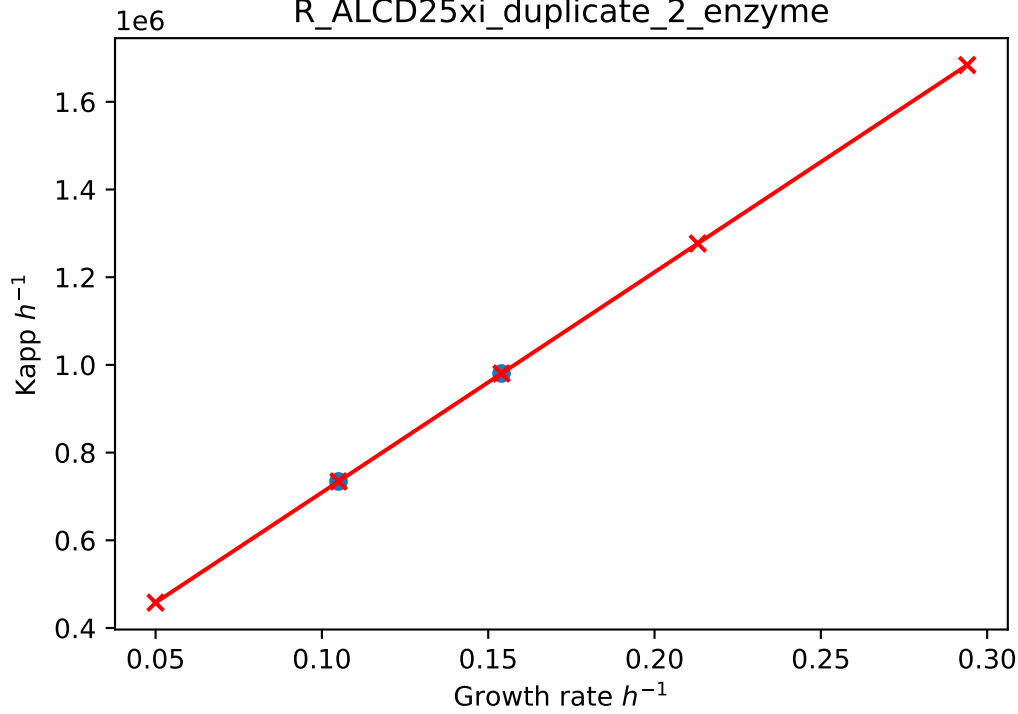
R_GCCcm_enzyme



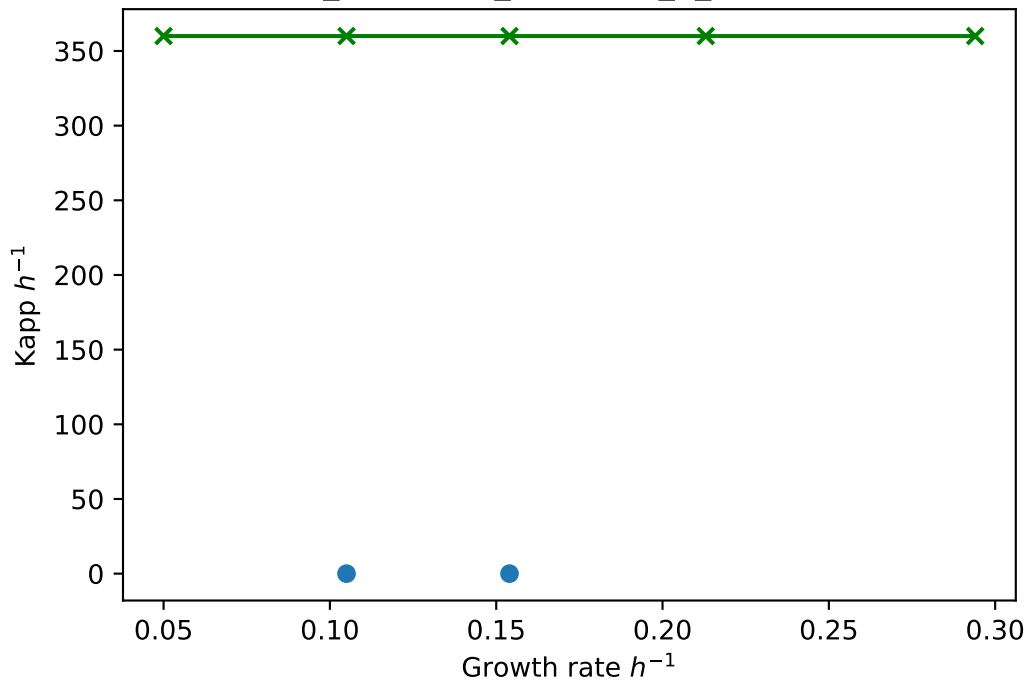
R_ADHAPR_SC_enzyme



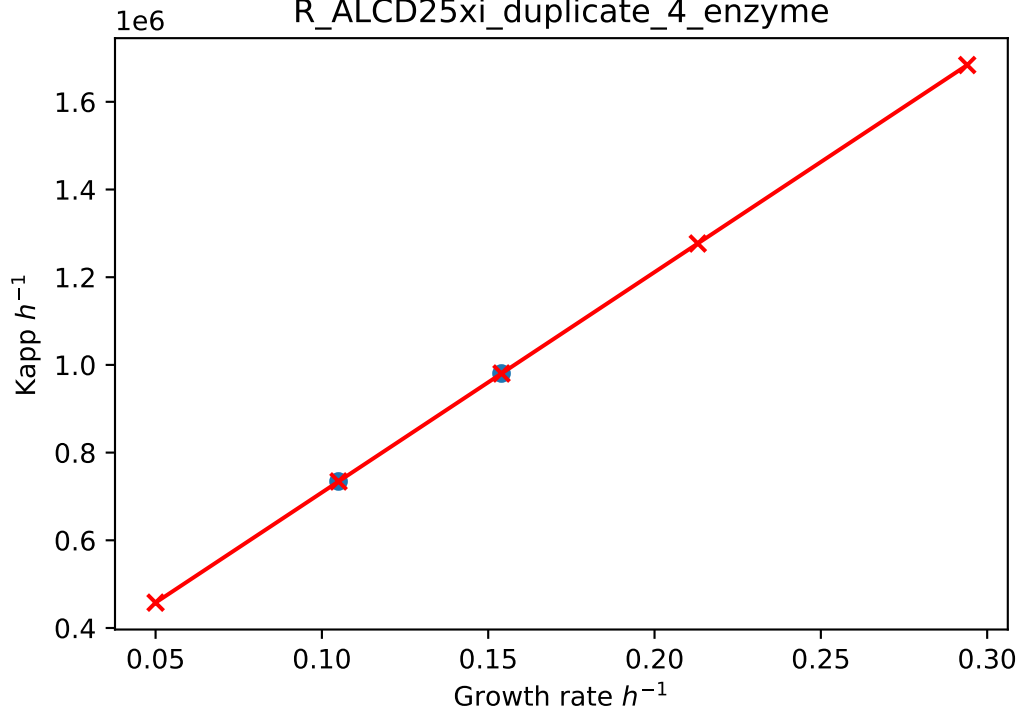
R_ALCD25xi_duplicate_2_enzyme



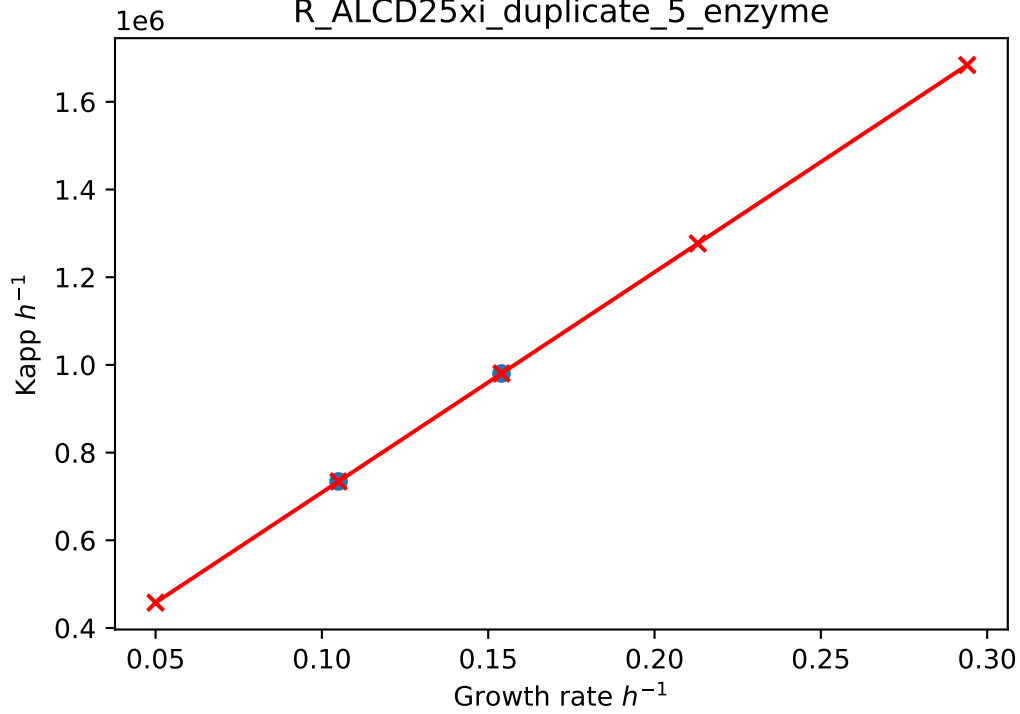
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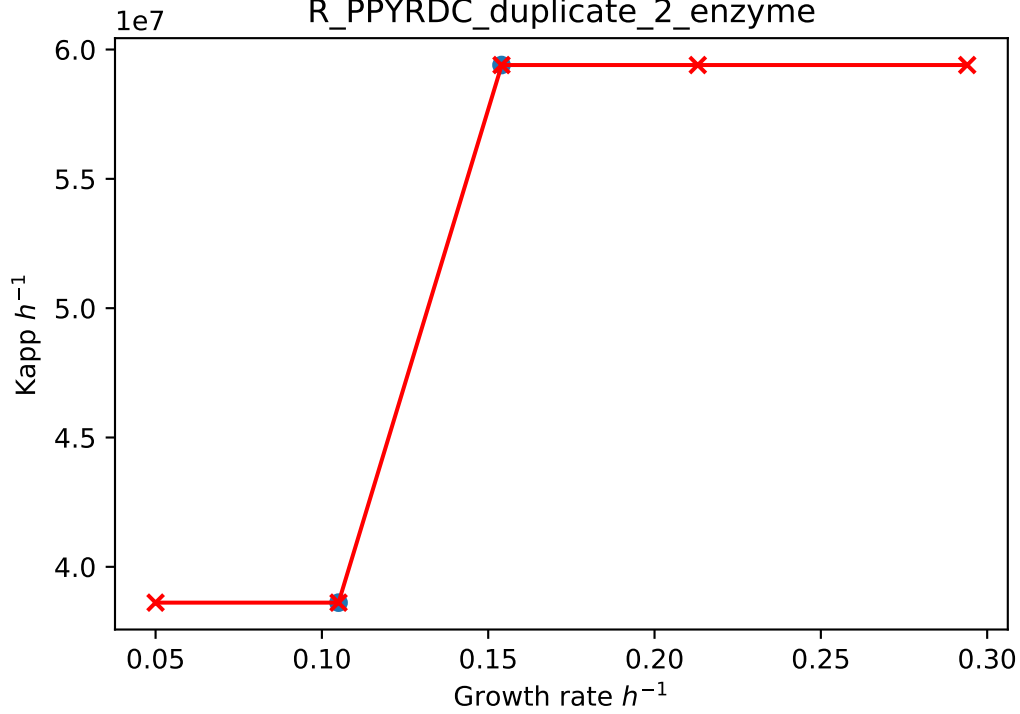
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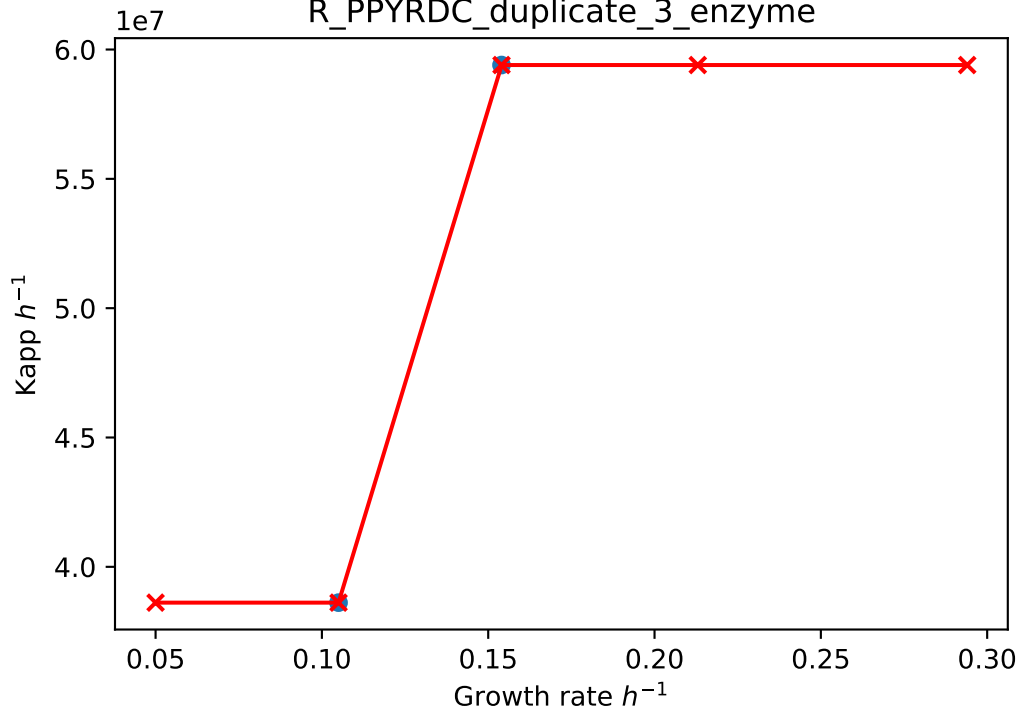
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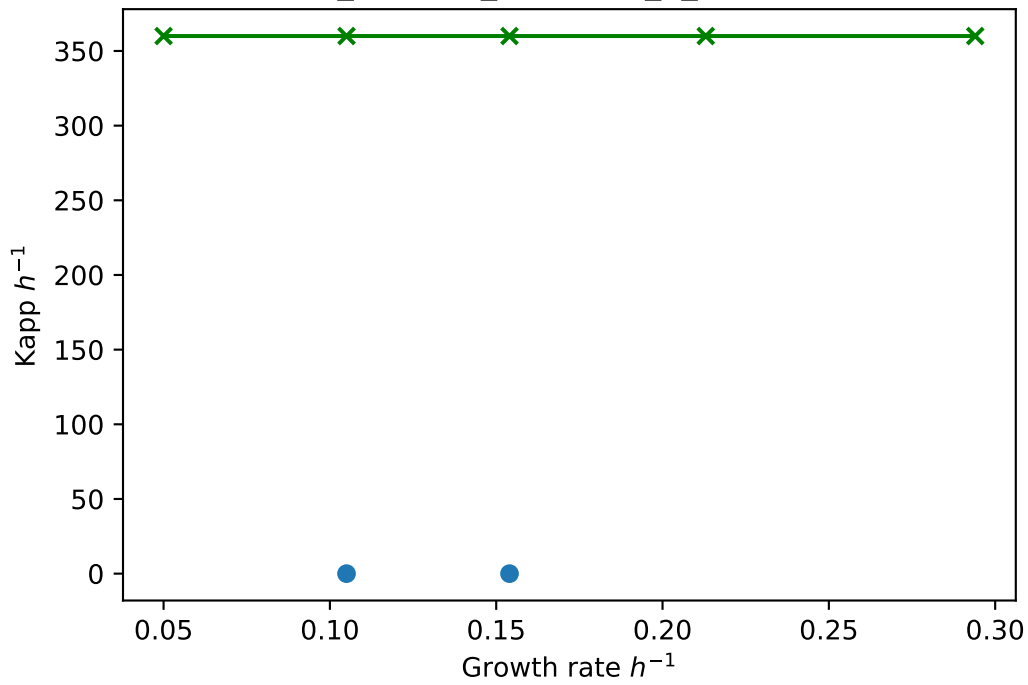
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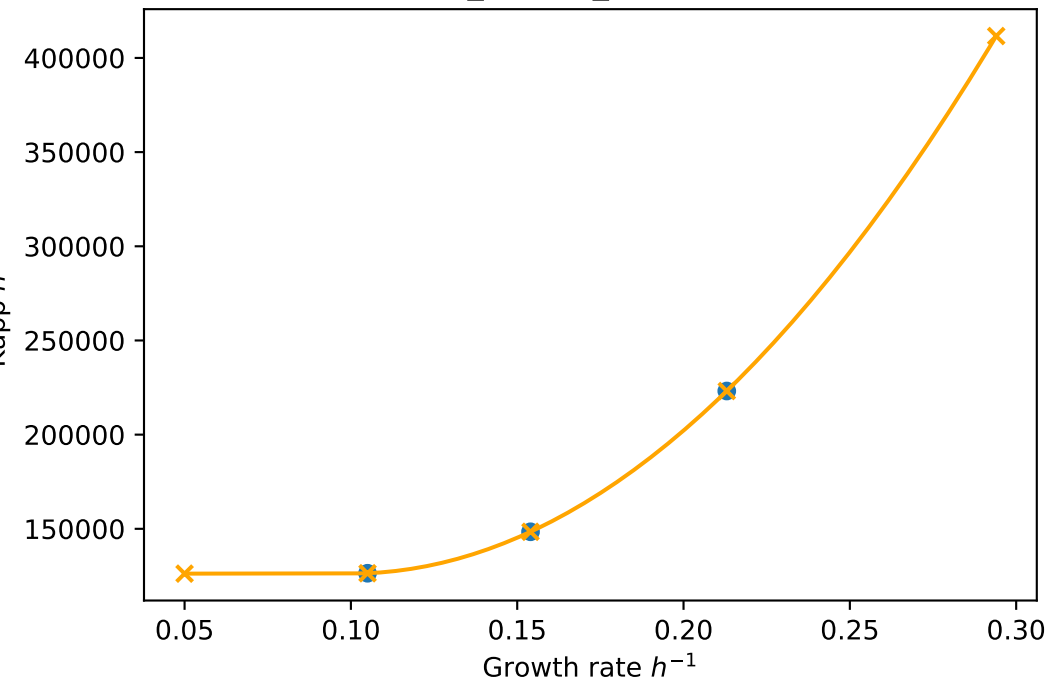
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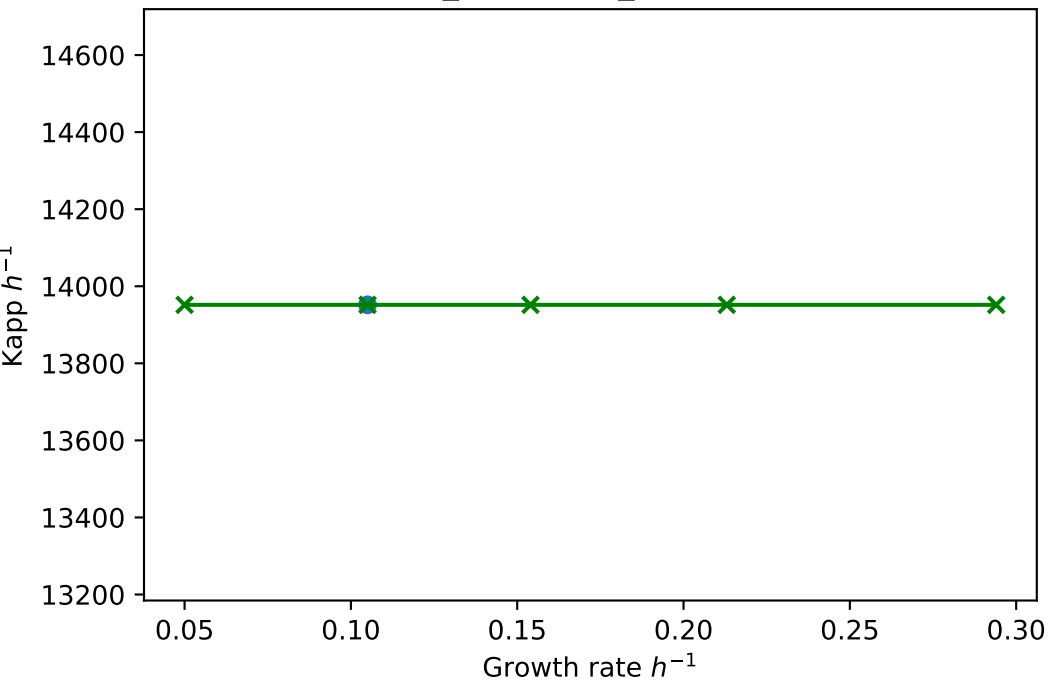
R_PPYRDC_duplicate_4_enzyme



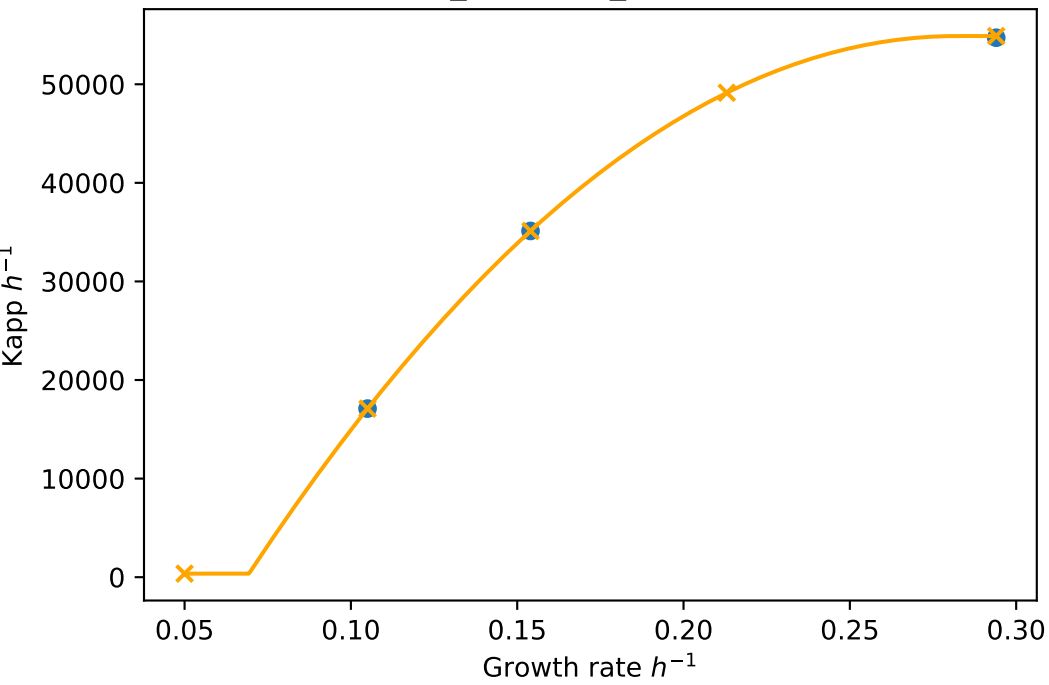
R_NDPK1_enzyme



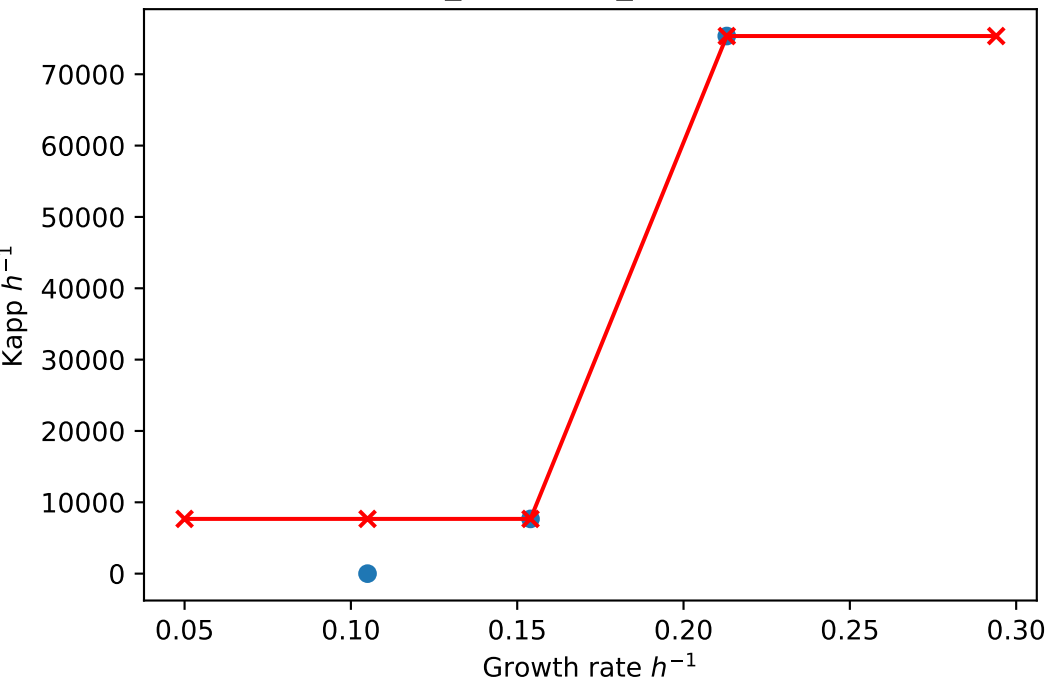
R_PYR5CDm_enzyme



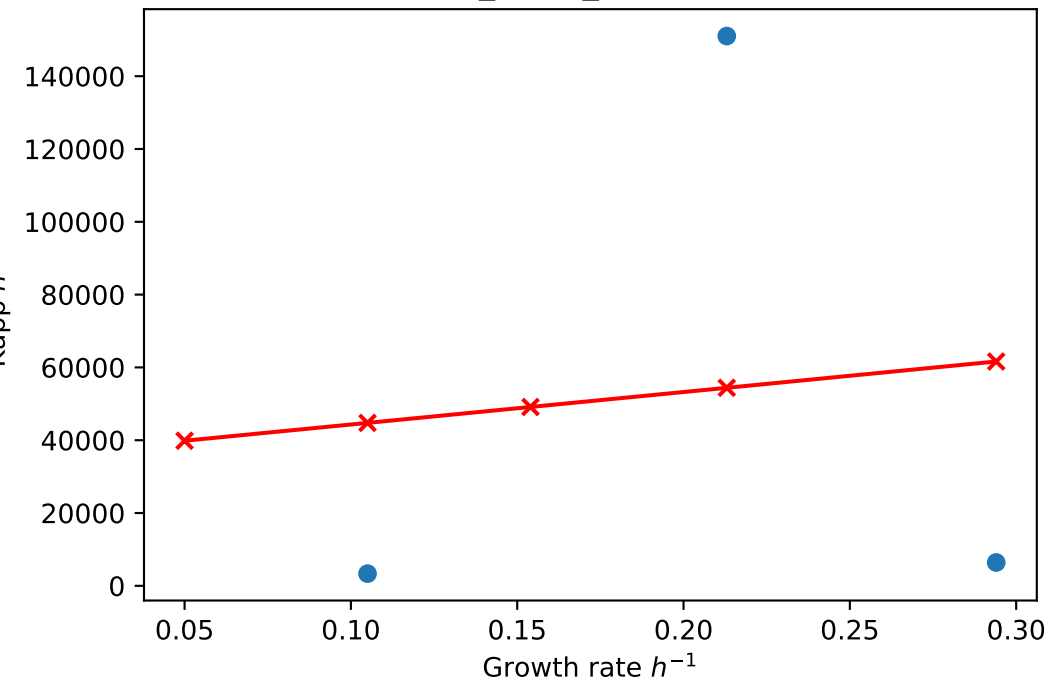
R_MTHFD2i_enzyme

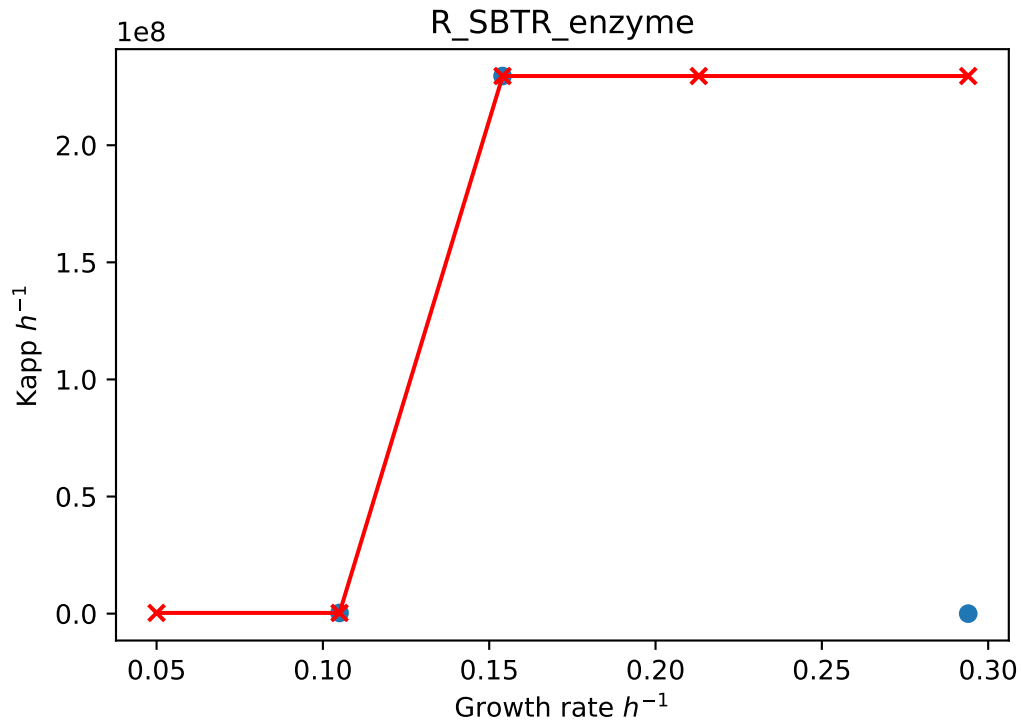


R_ACOAHim_enzyme

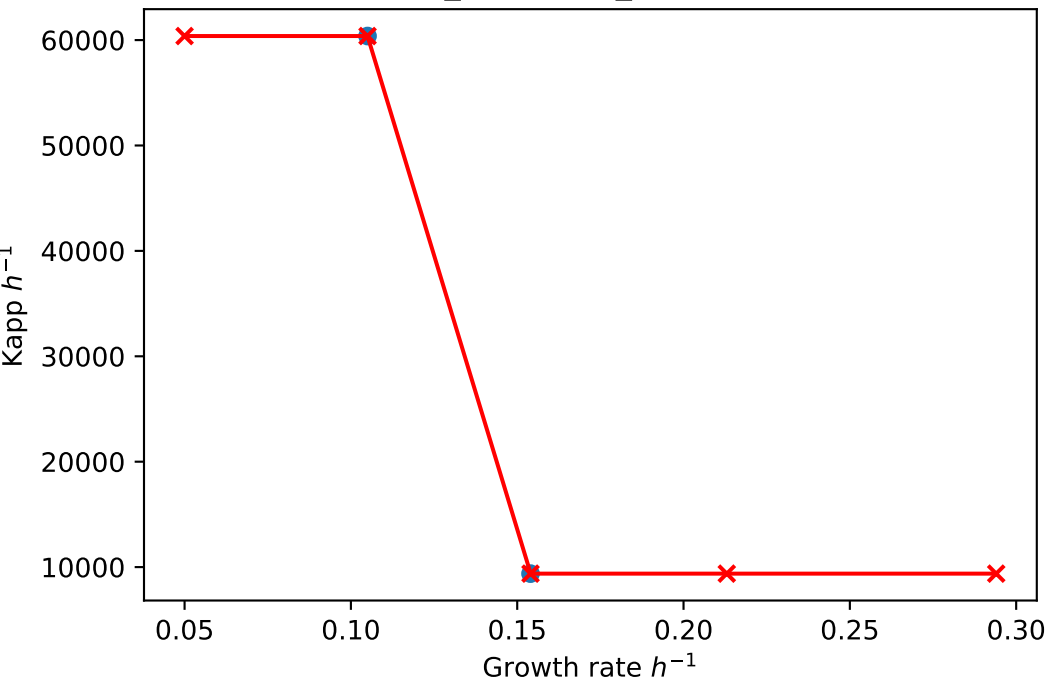


R_THRA_enzyme

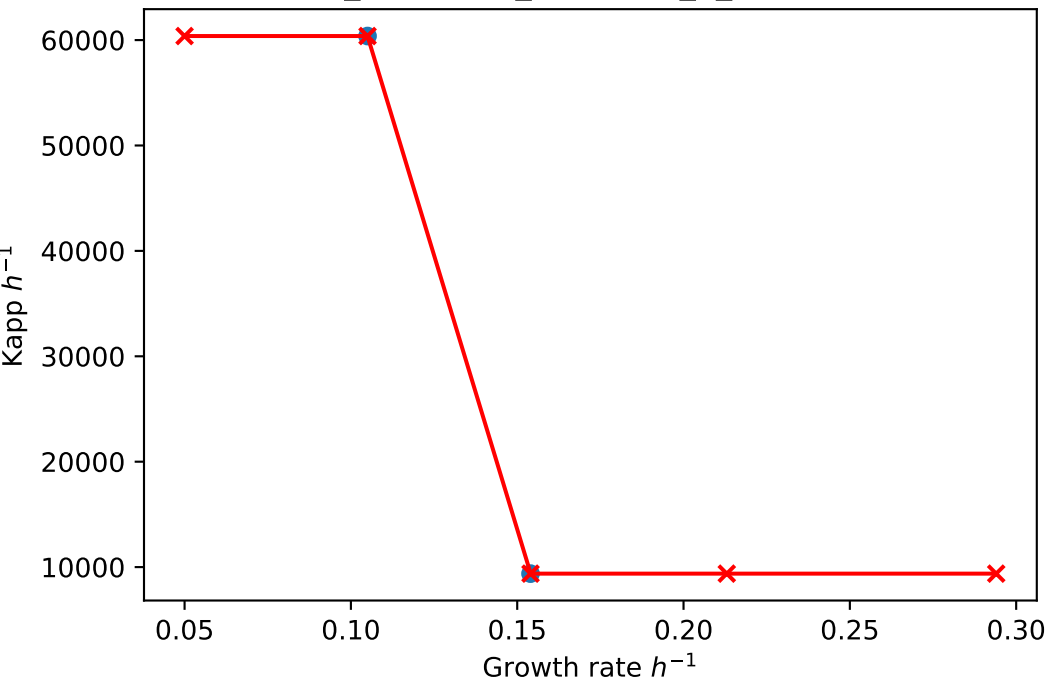




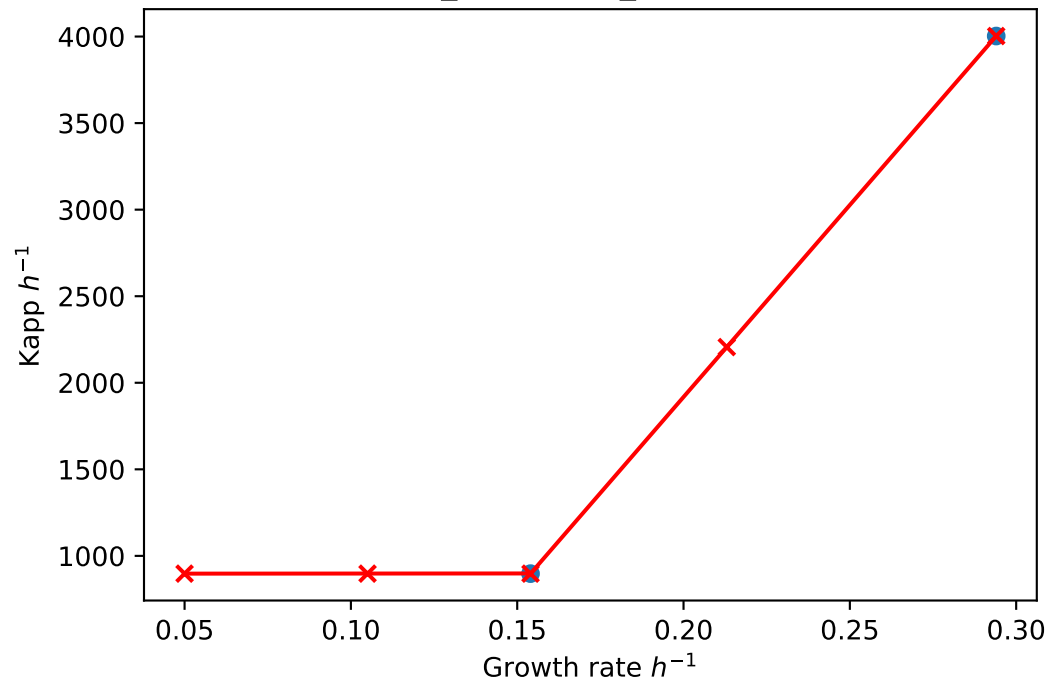
R_ALCD24yi_enzyme



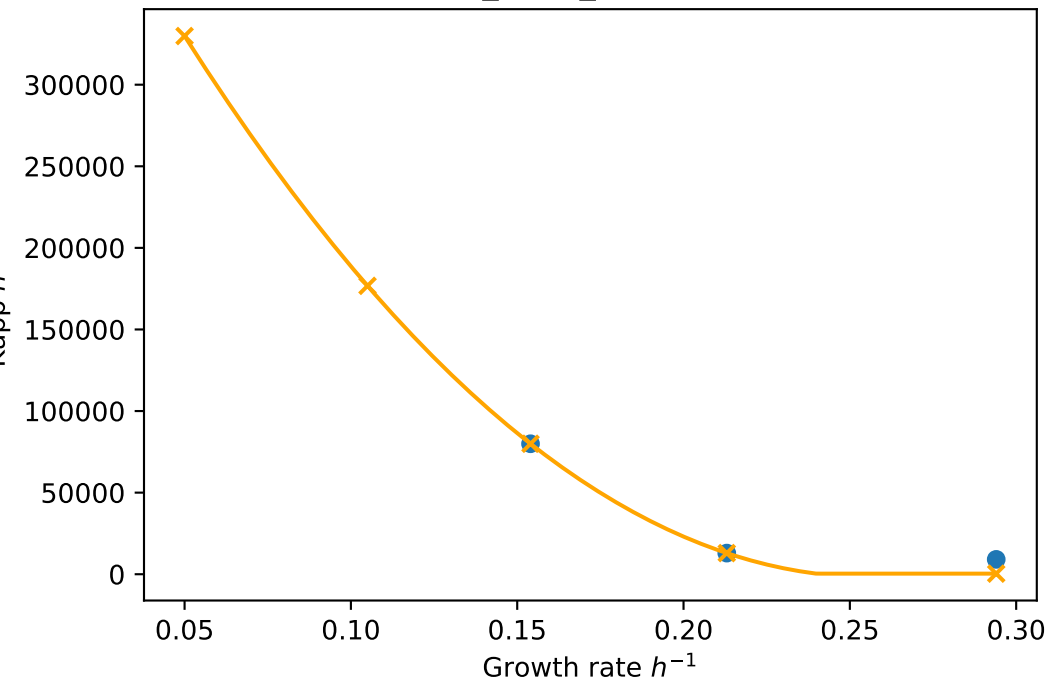
R_ALCD24yi_duplicate_2_enzyme



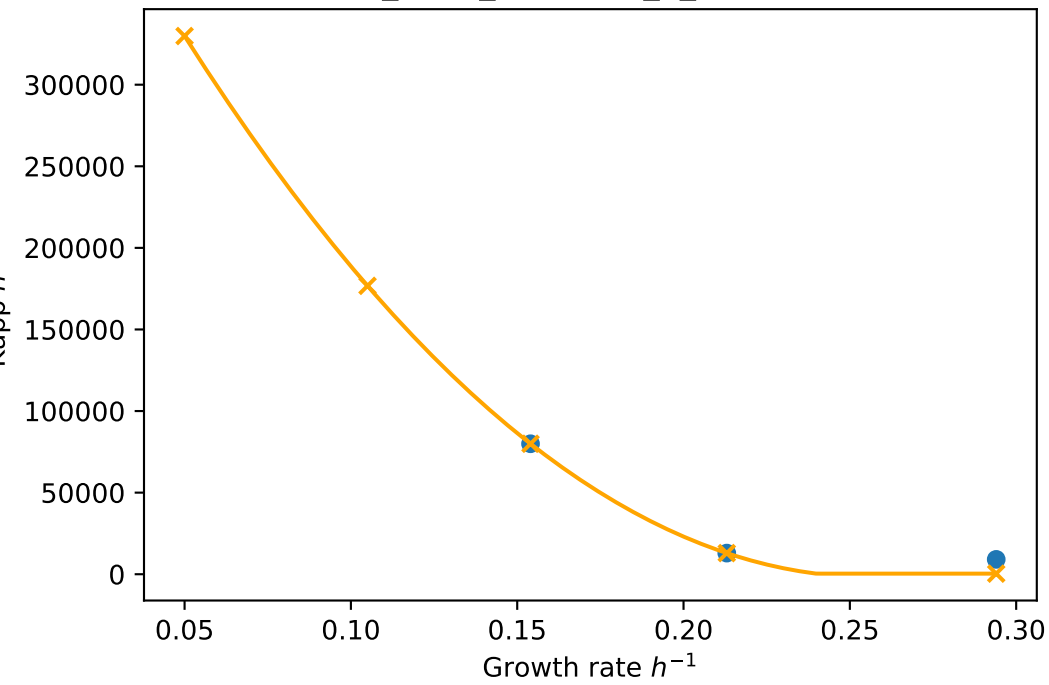
R_G3PD1irm_enzyme



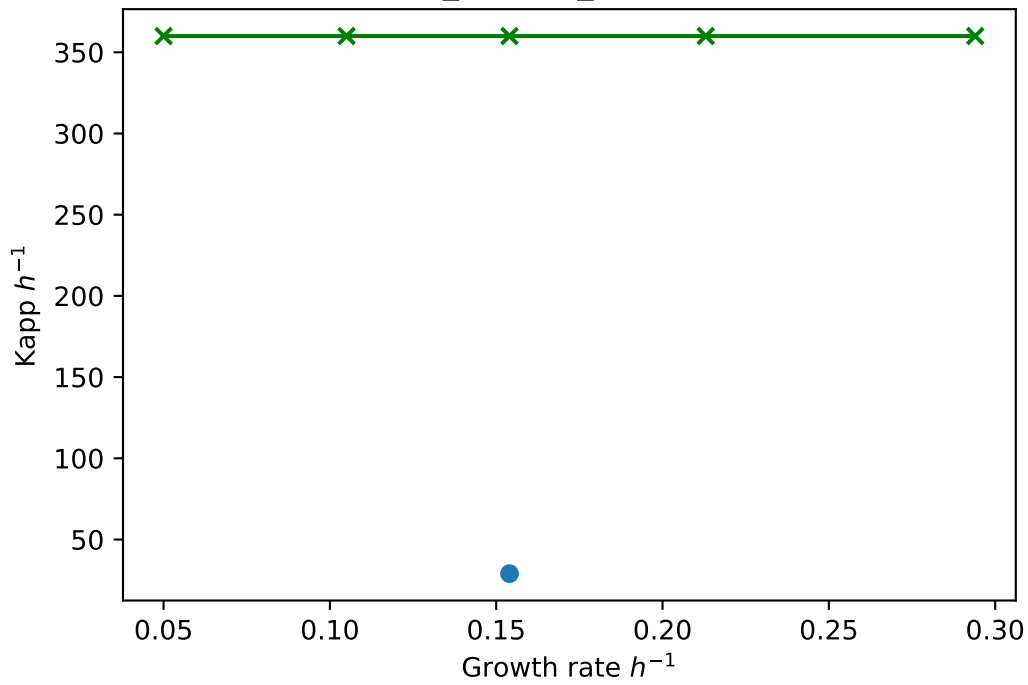
R_TALA_enzyme



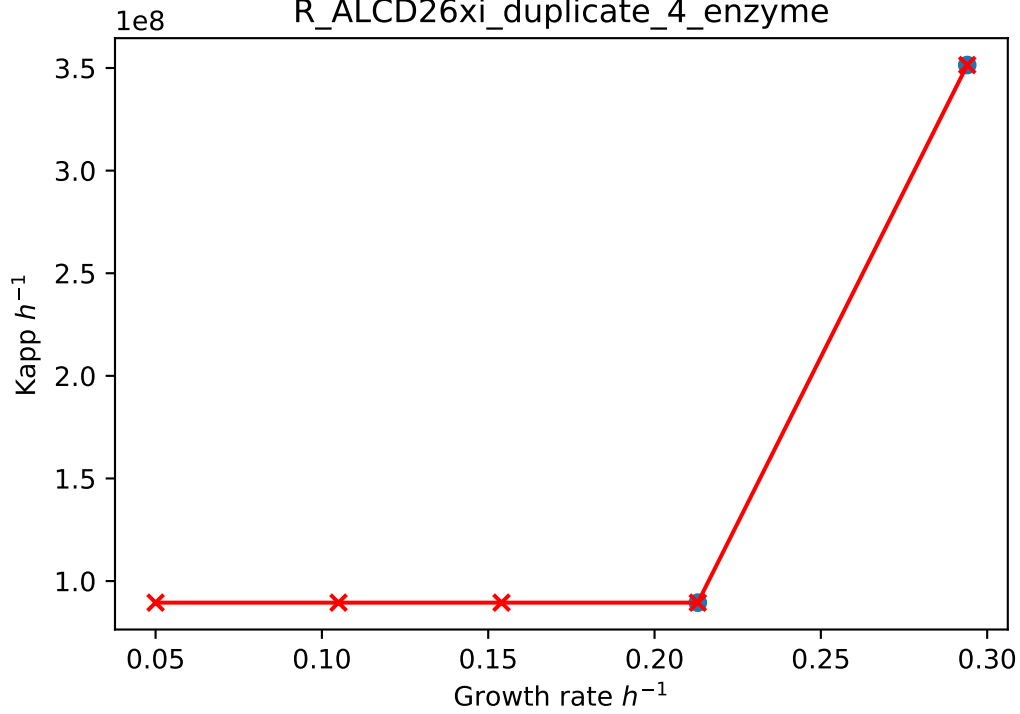
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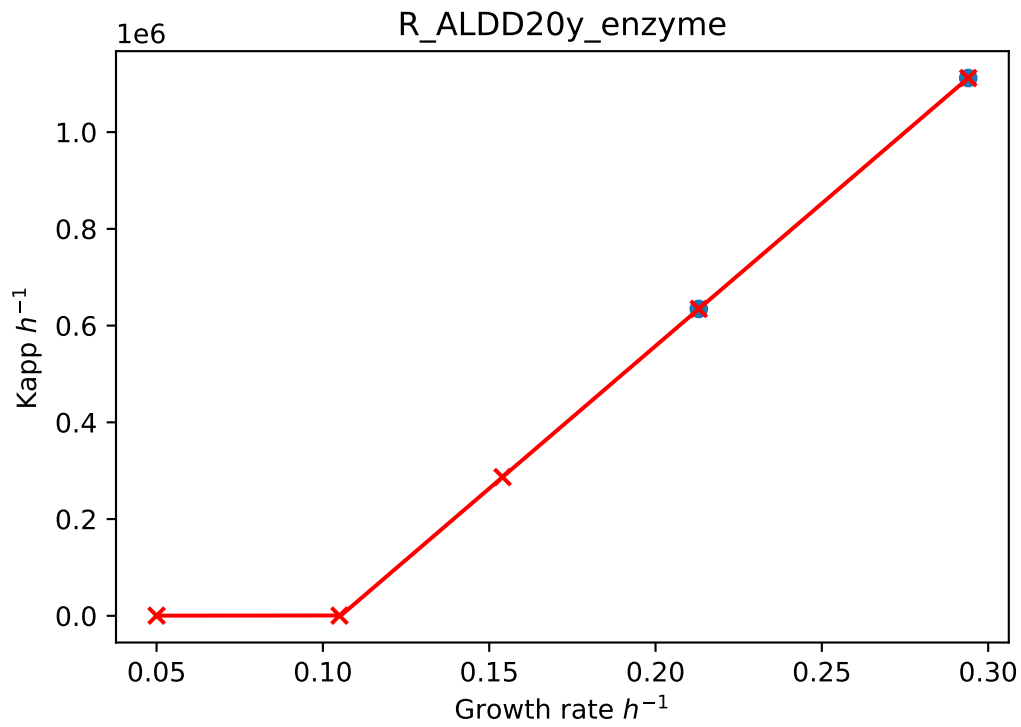


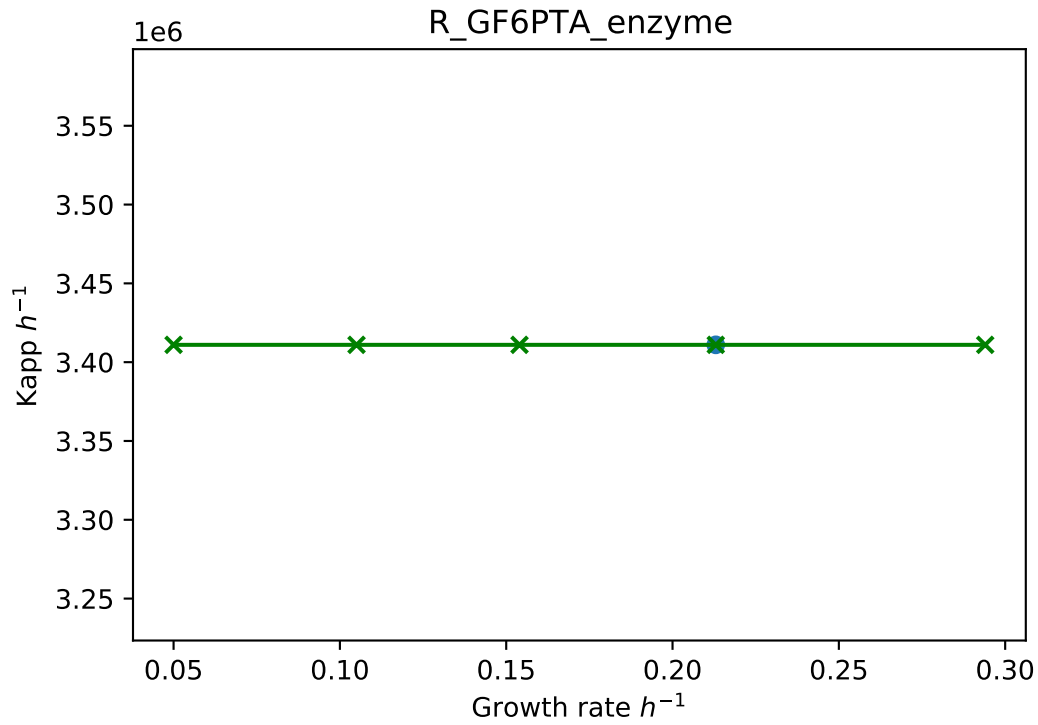
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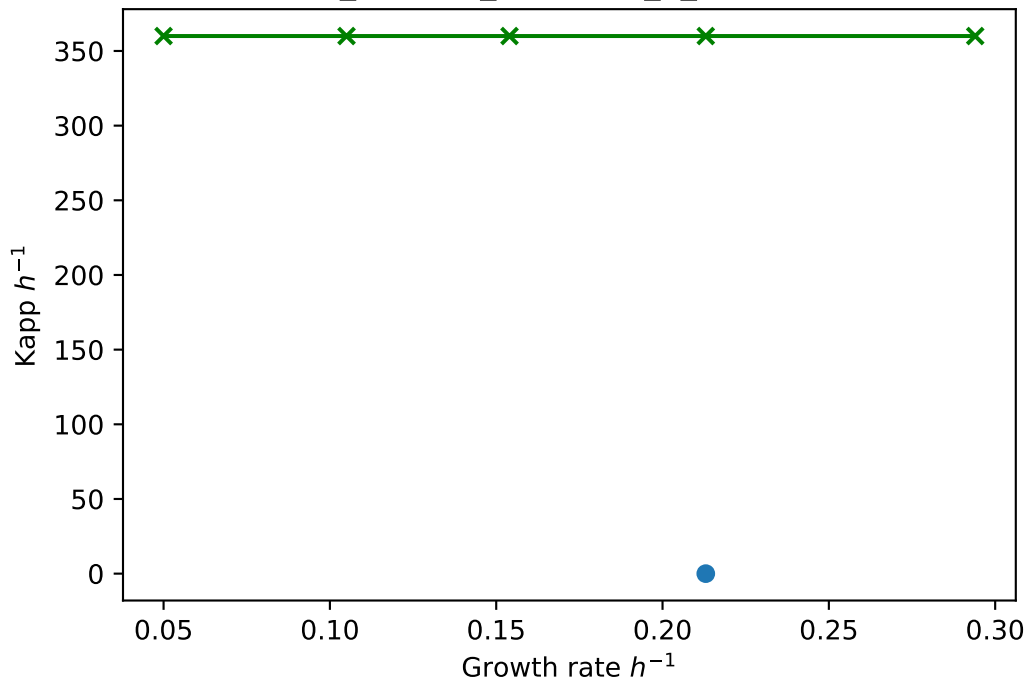
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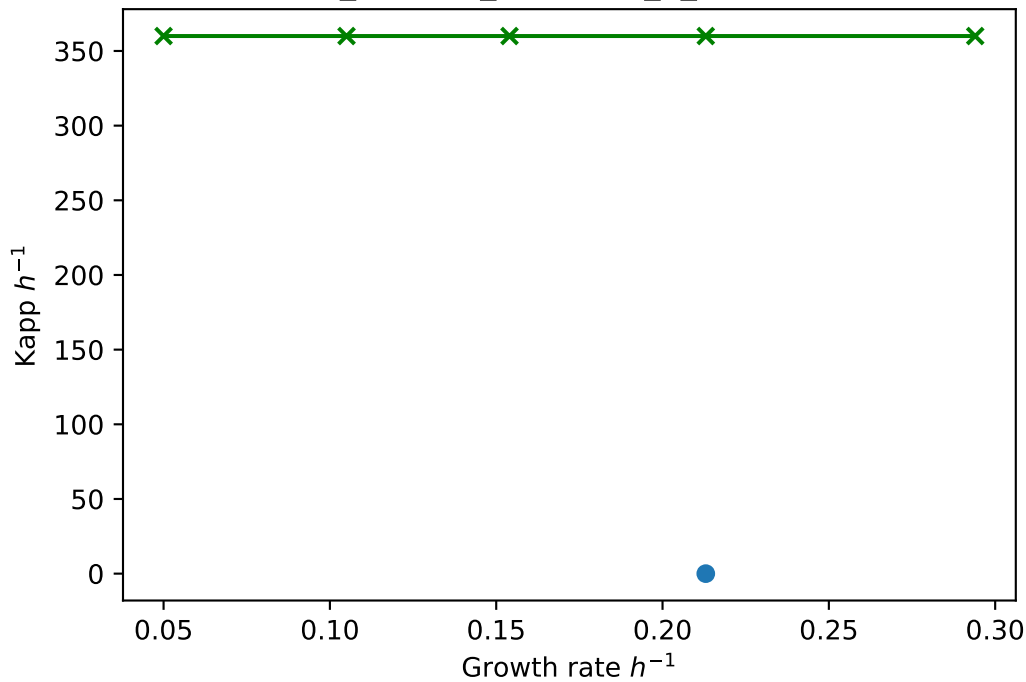




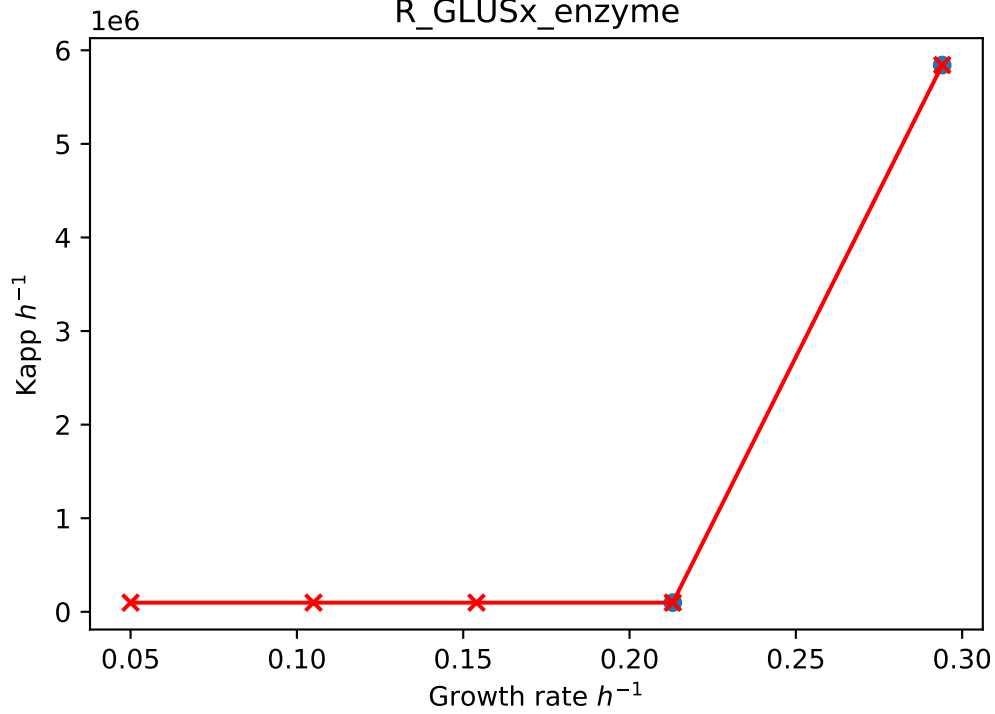
R_GF6PTA_duplicate_2_enzyme



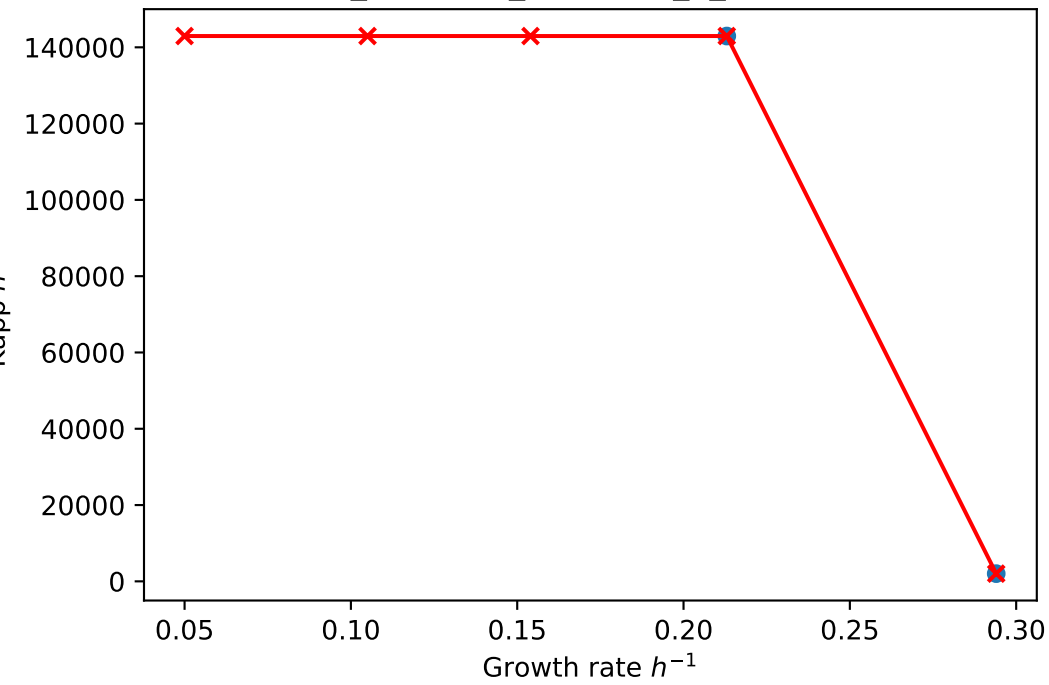
R_GF6PTA_duplicate_3_enzyme



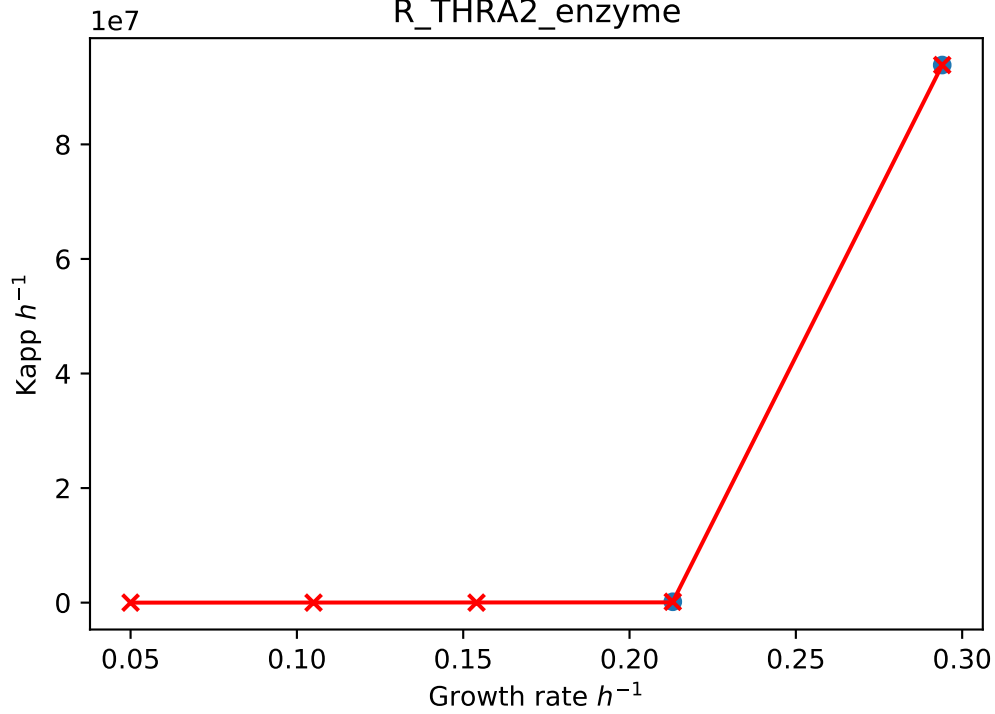
R_GLUSx_enzyme

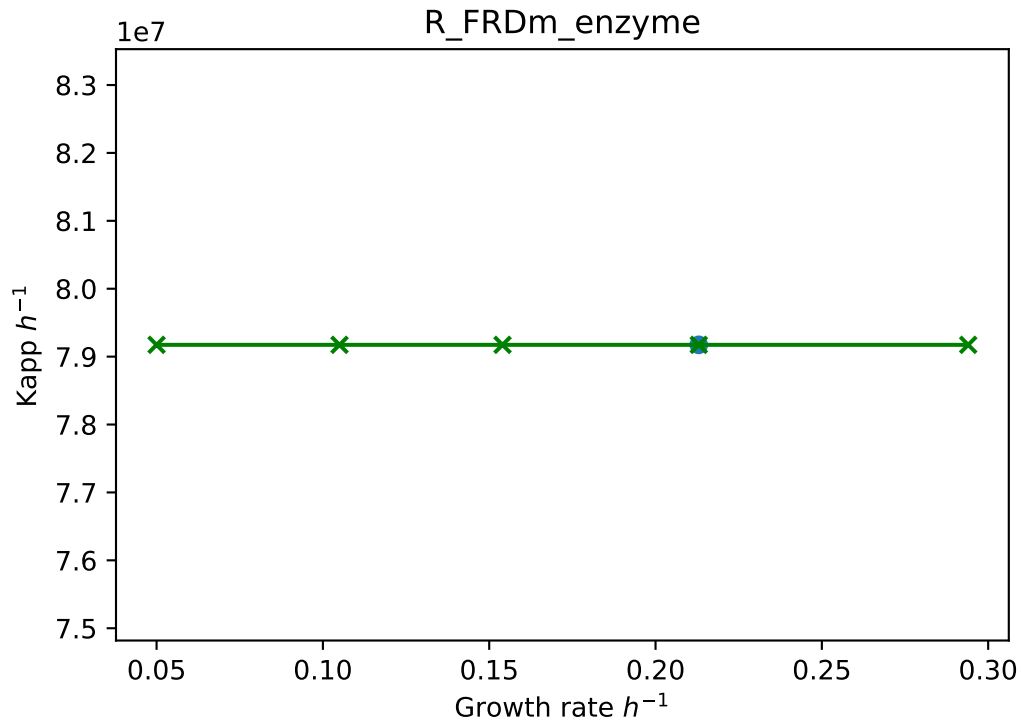


R_SUCD1m_duplicate_3_enzyme

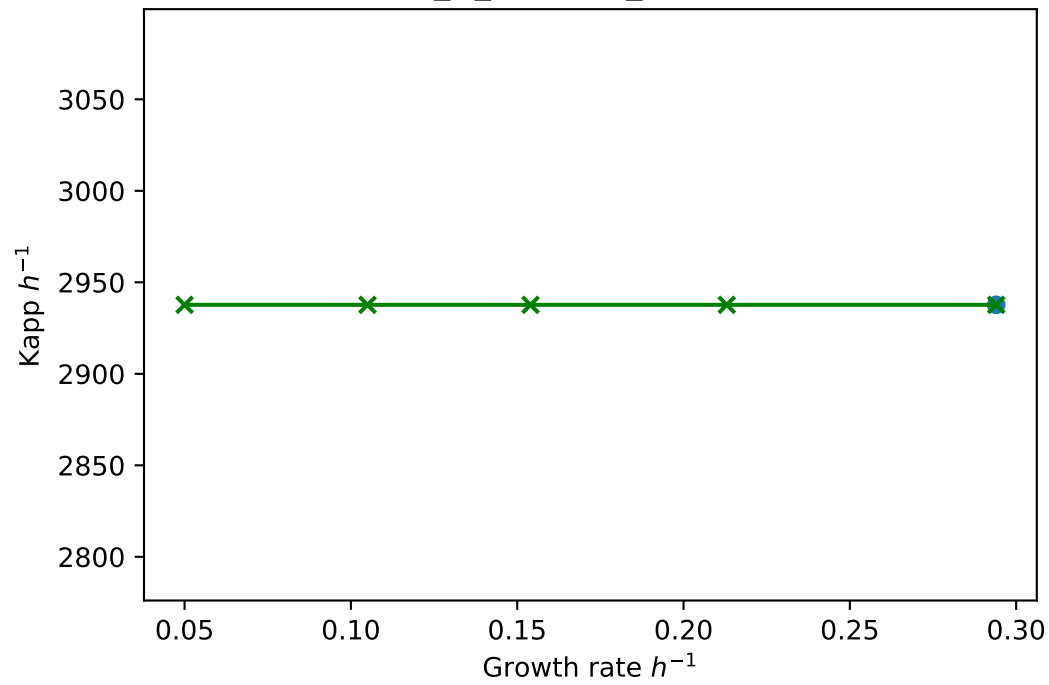


R_THRA2_enzyme

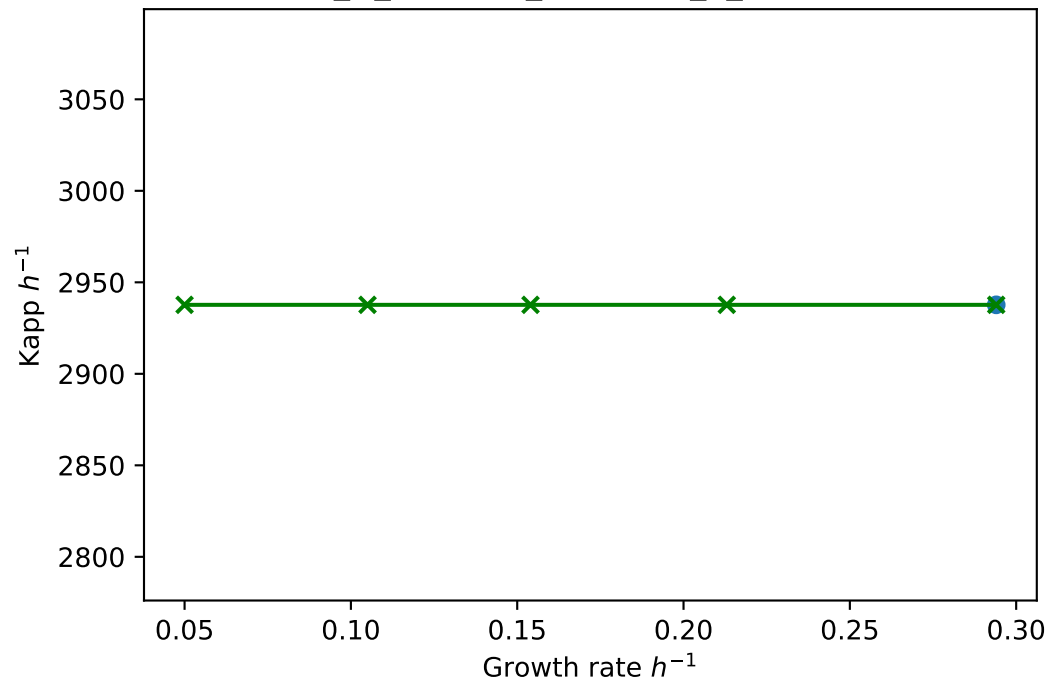




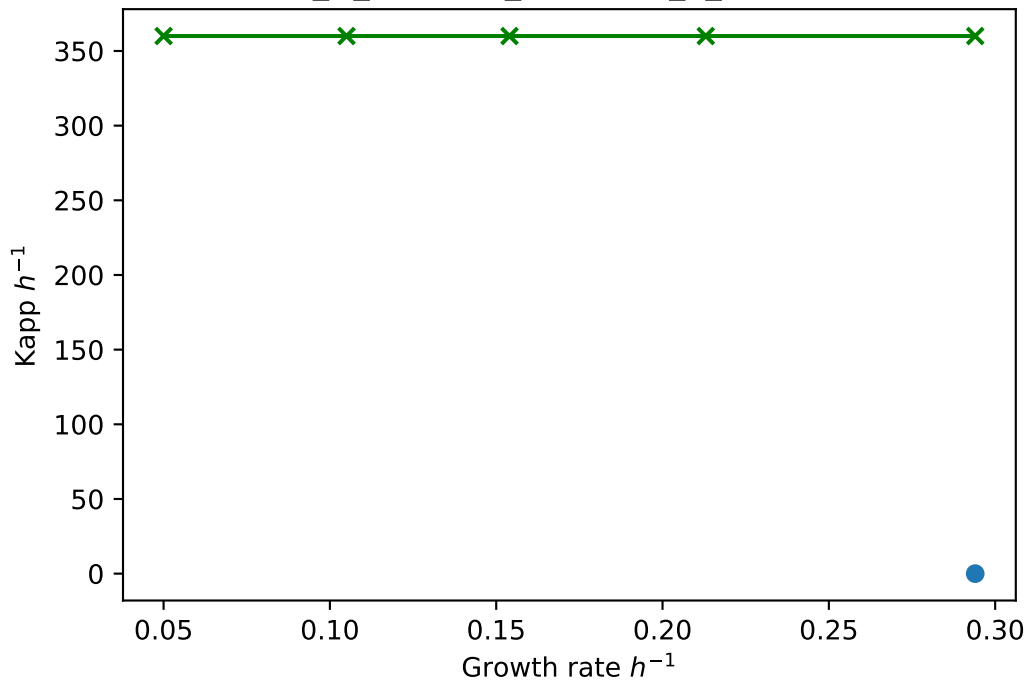
R_D_LACDcm_enzyme



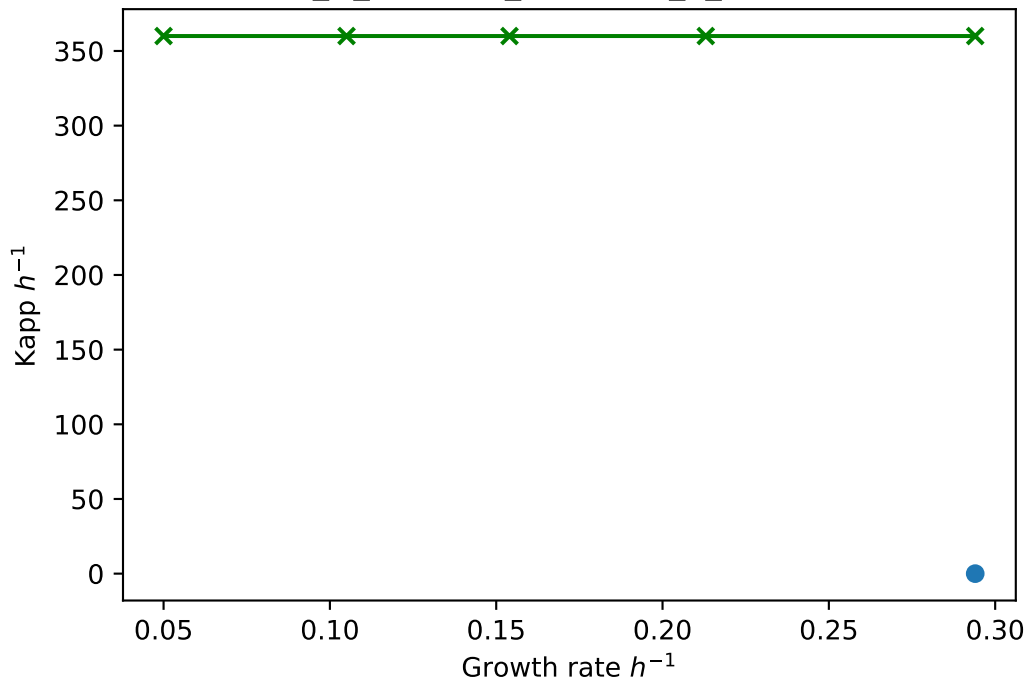
R_D_LACDcm_duplicate_2_enzyme



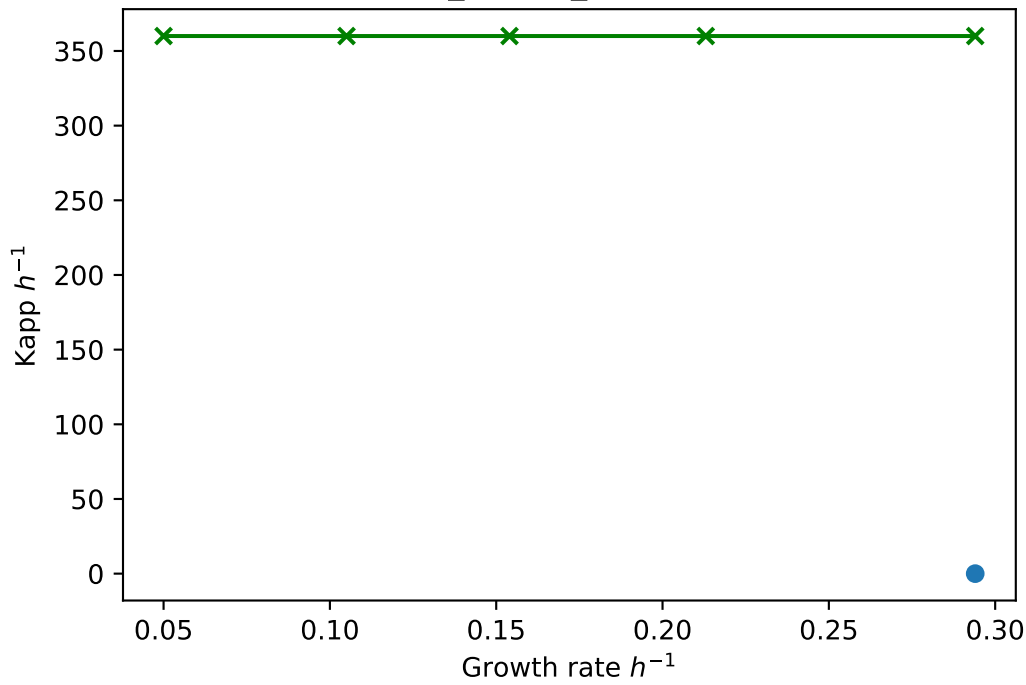
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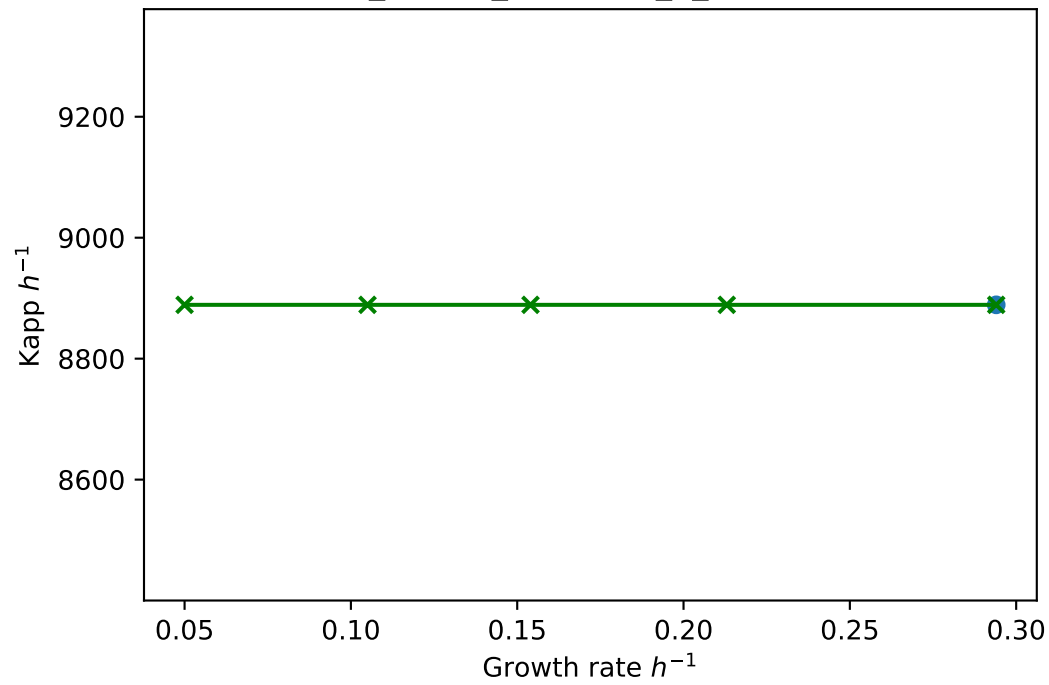
R_D_LACDcm_duplicate_4_enzyme



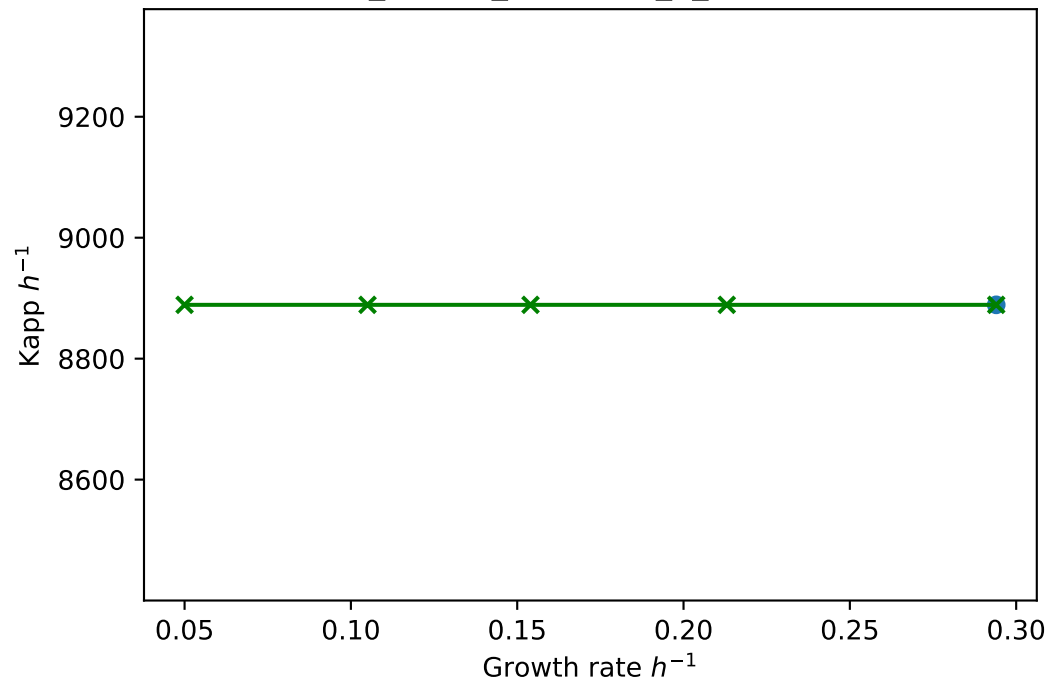
R_GTHOr_enzyme



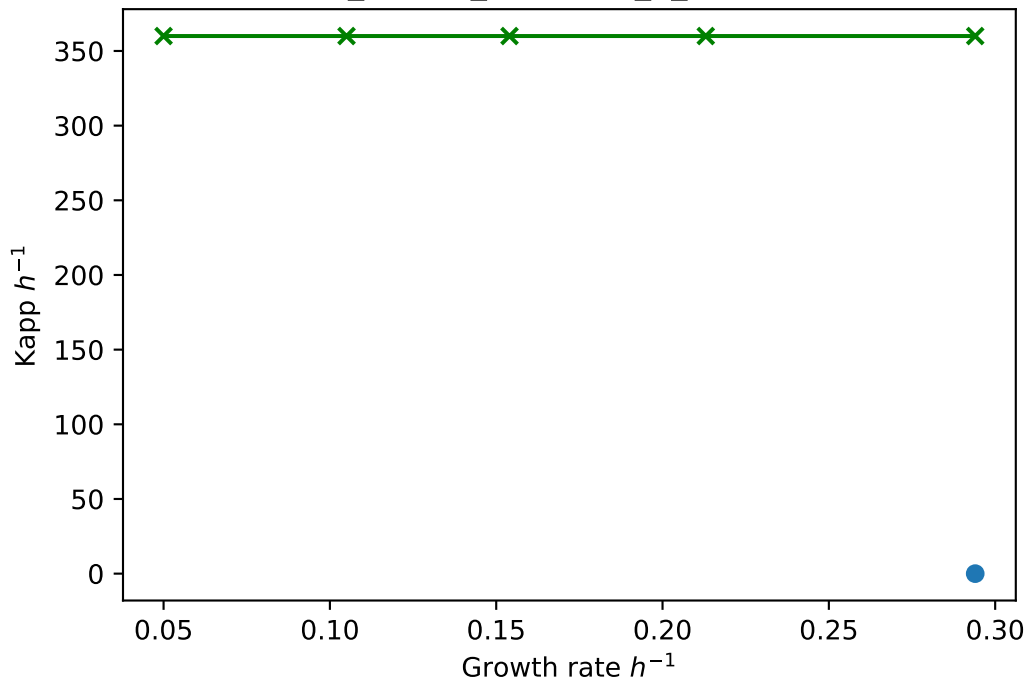
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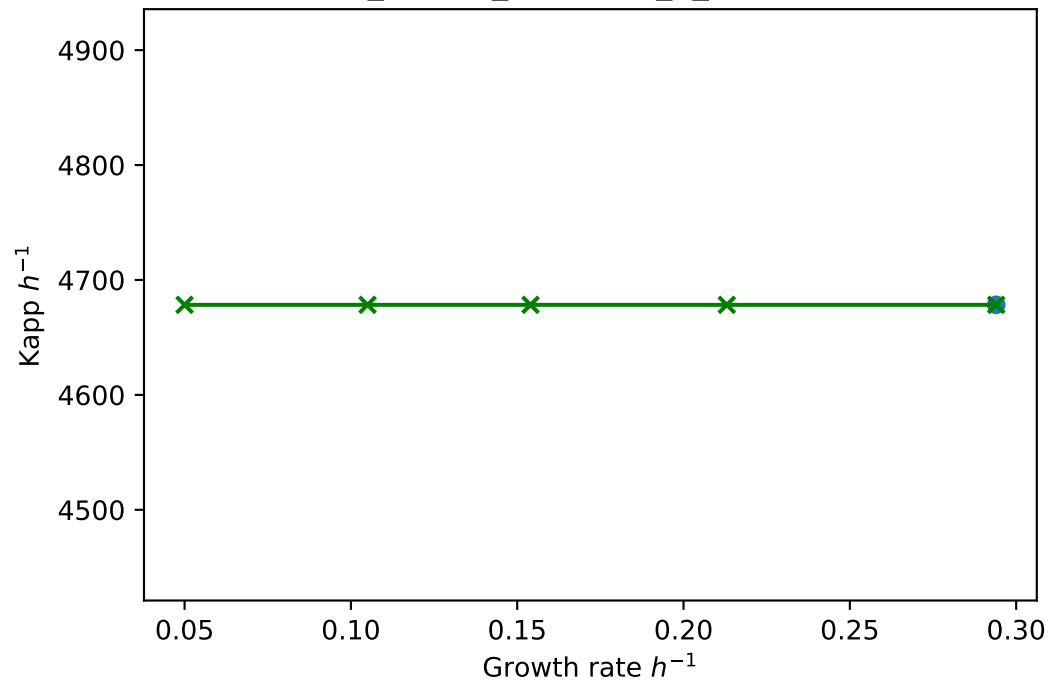
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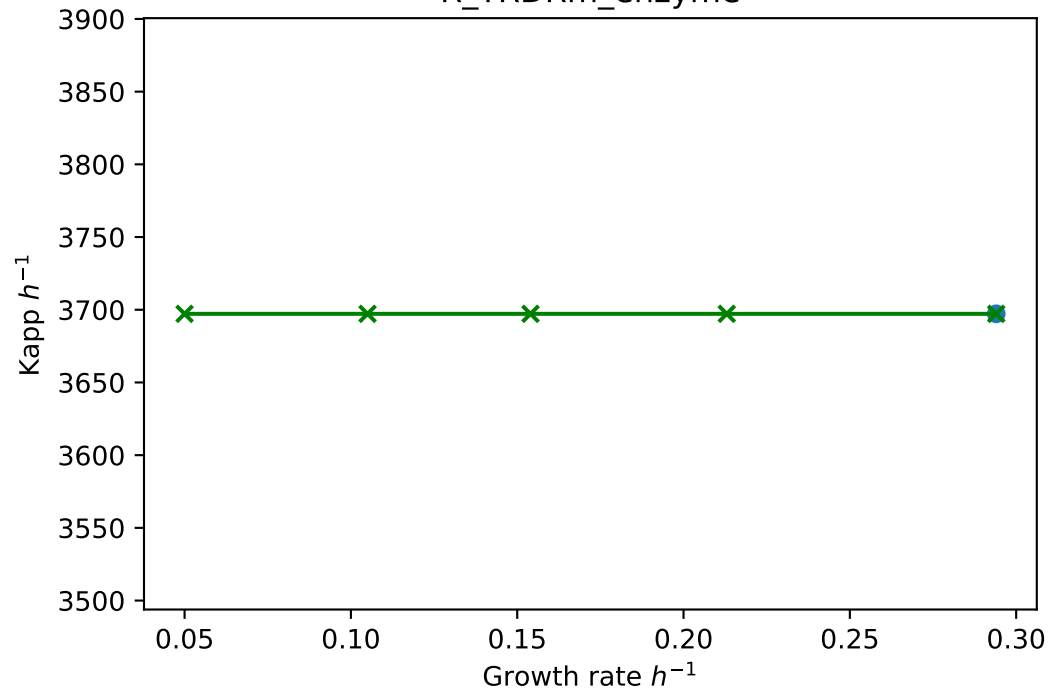
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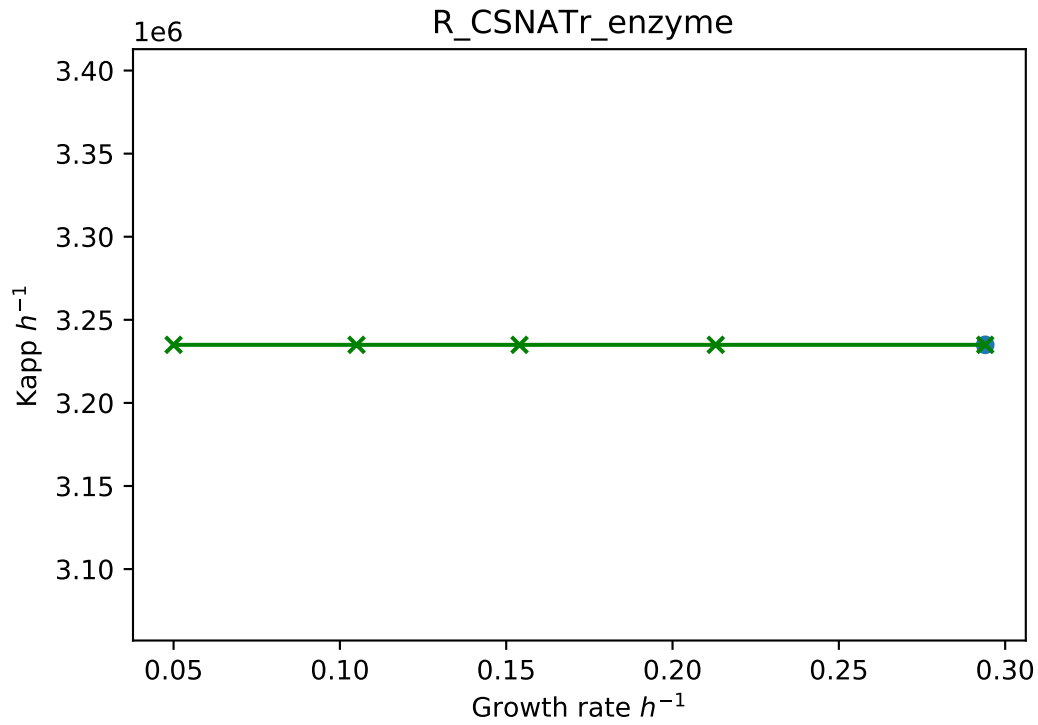


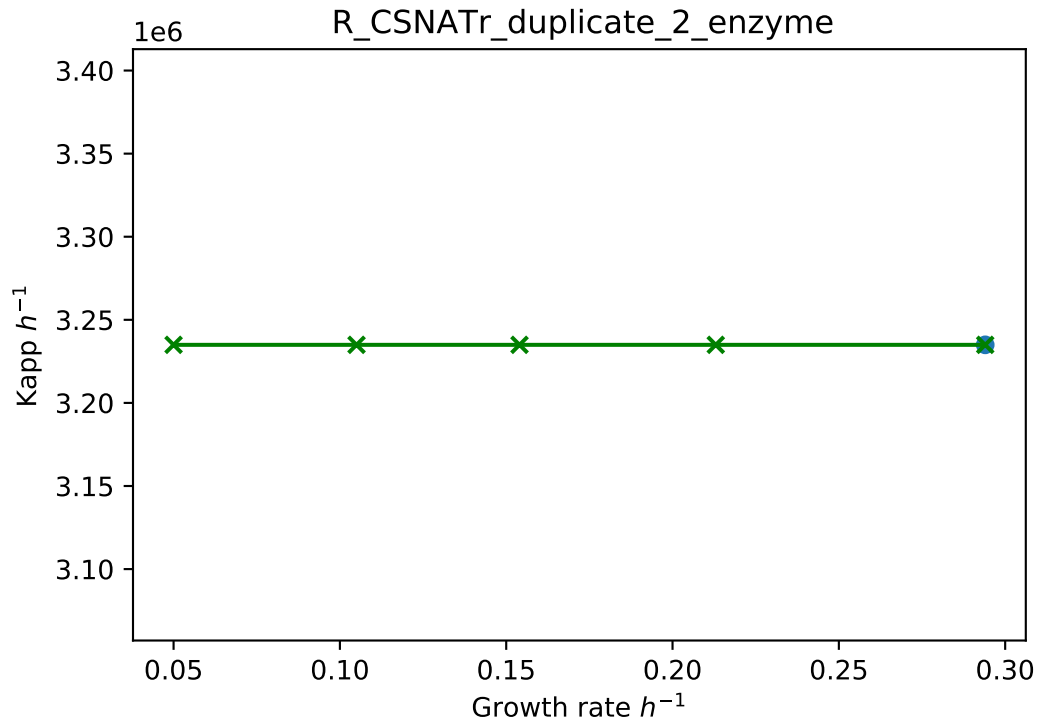
R_RNTR3_duplicate_2_enzyme



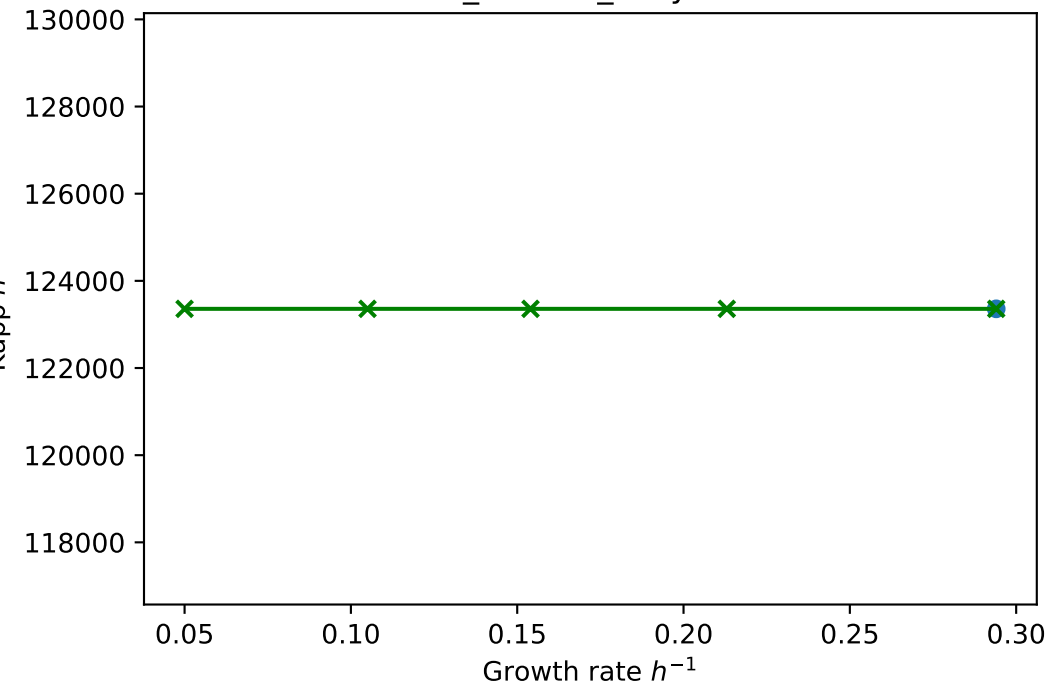
R_TRDRm_enzyme



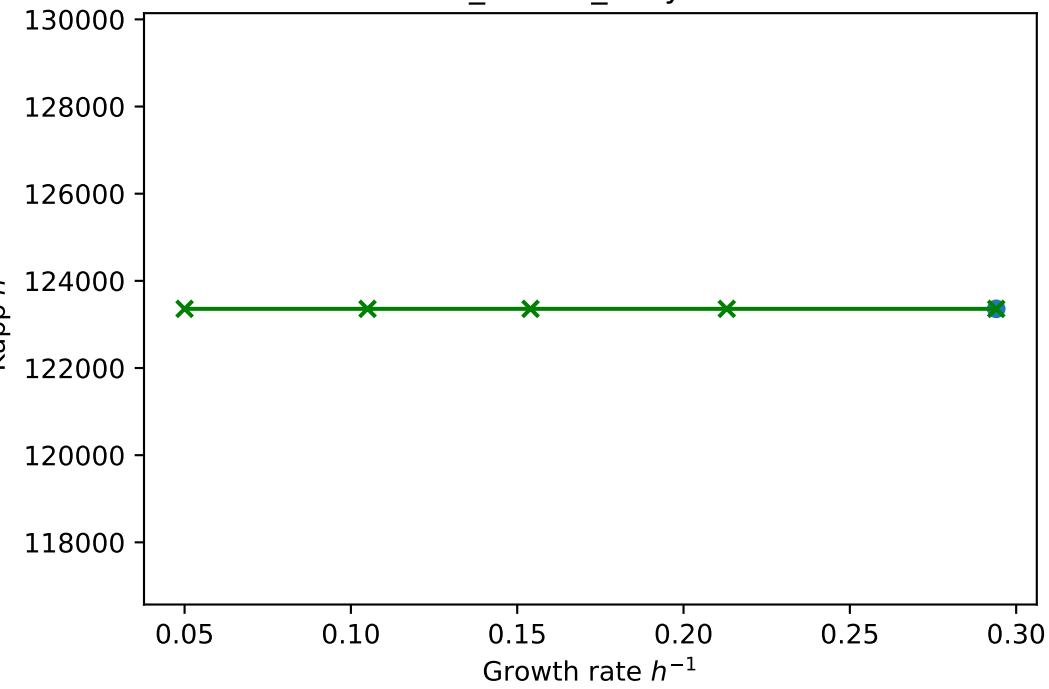




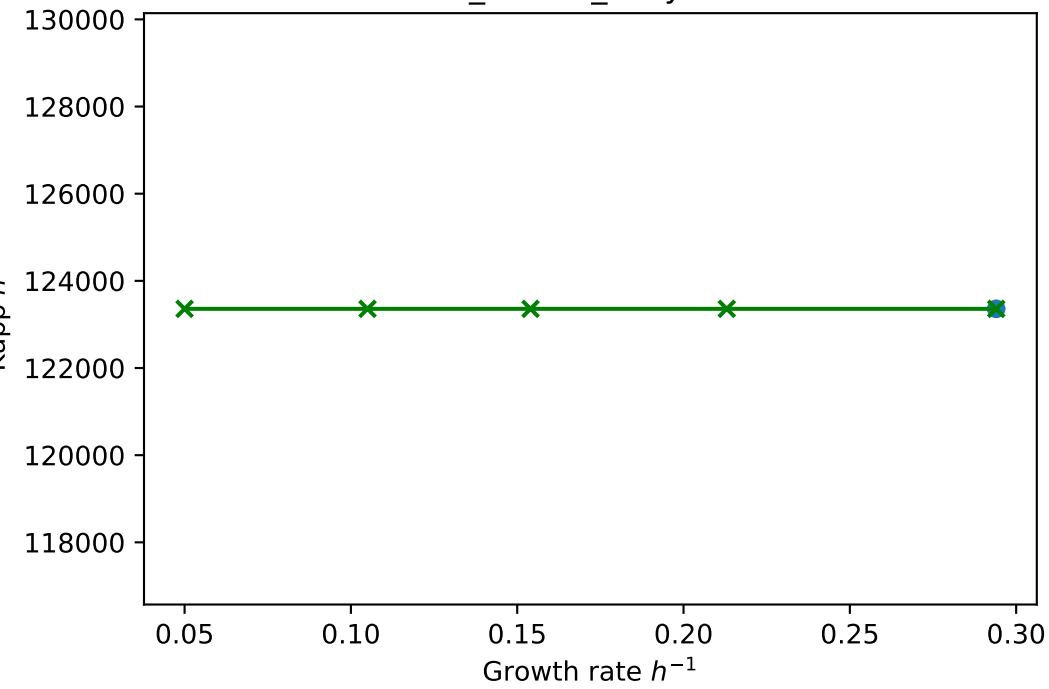
R_DURIPP_enzyme



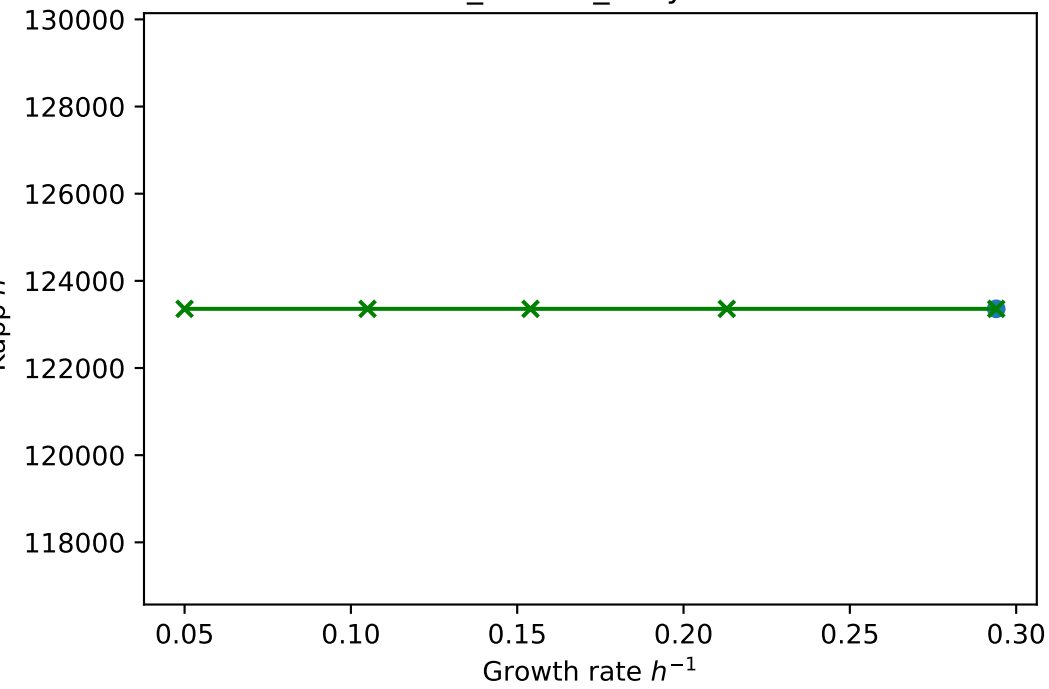
R_PUNP5_enzyme



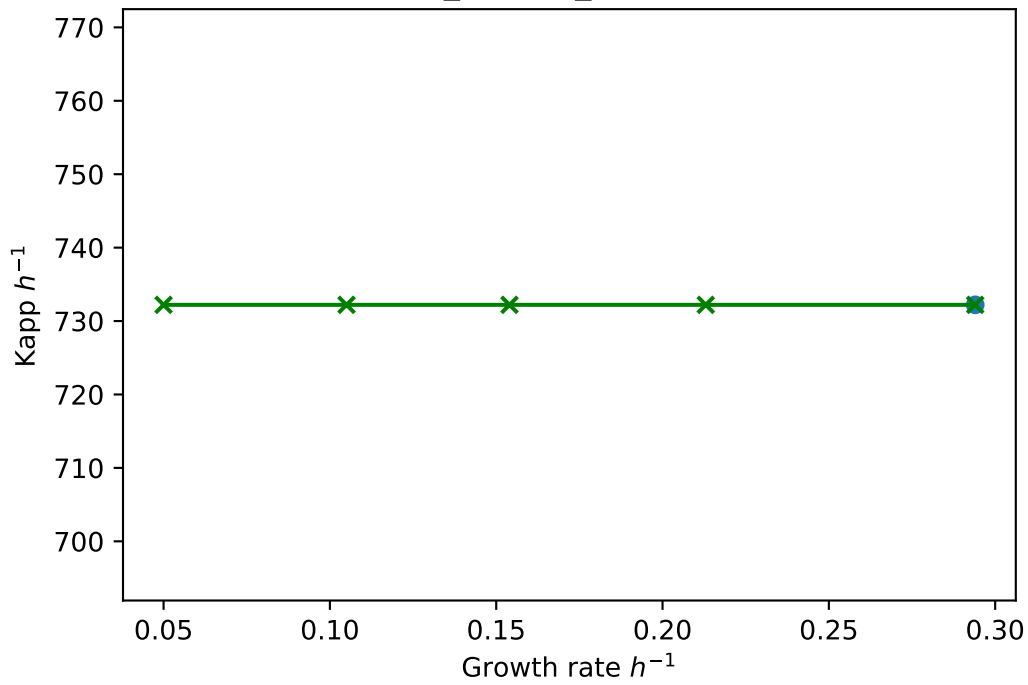
R_PUNP6_enzyme



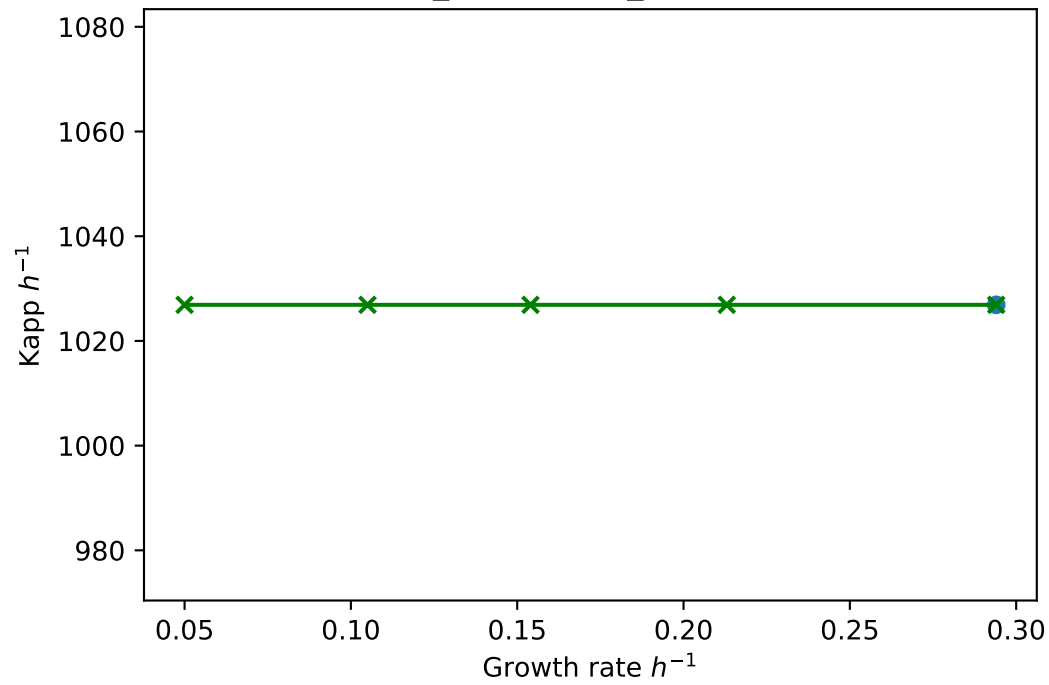
R_TMDPP_enzyme



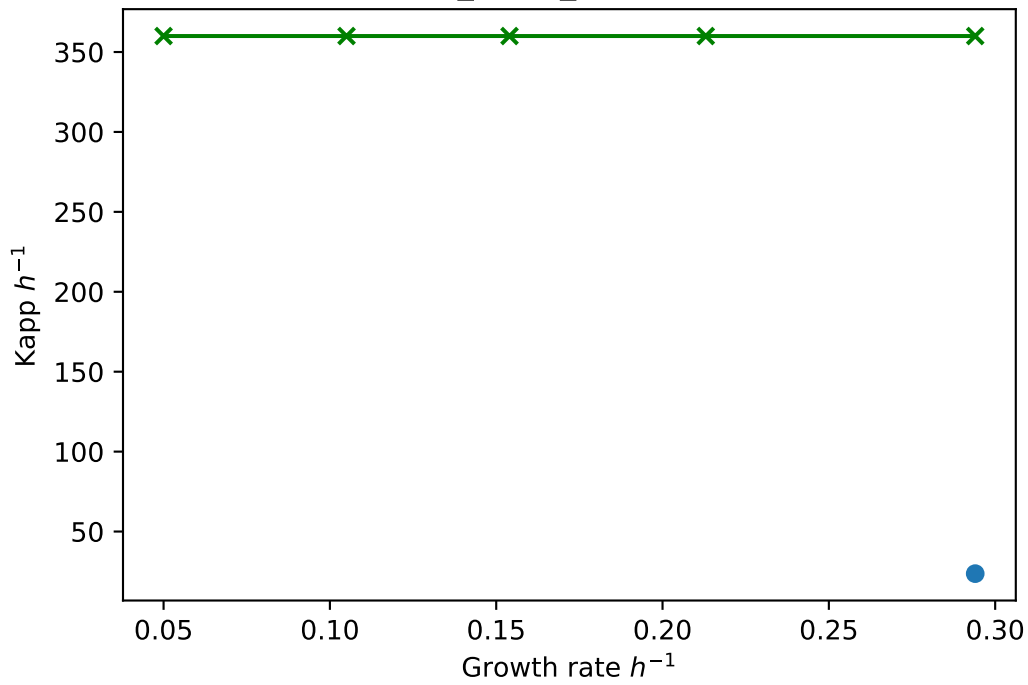
R_AMPDA_enzyme



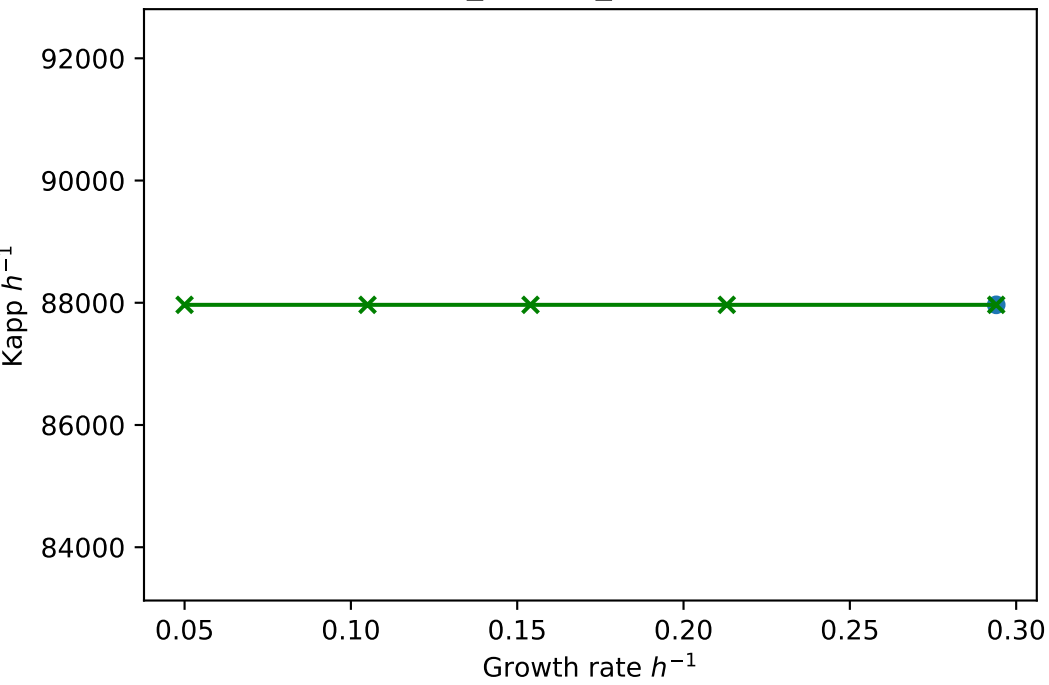
R_THIORDXm_enzyme



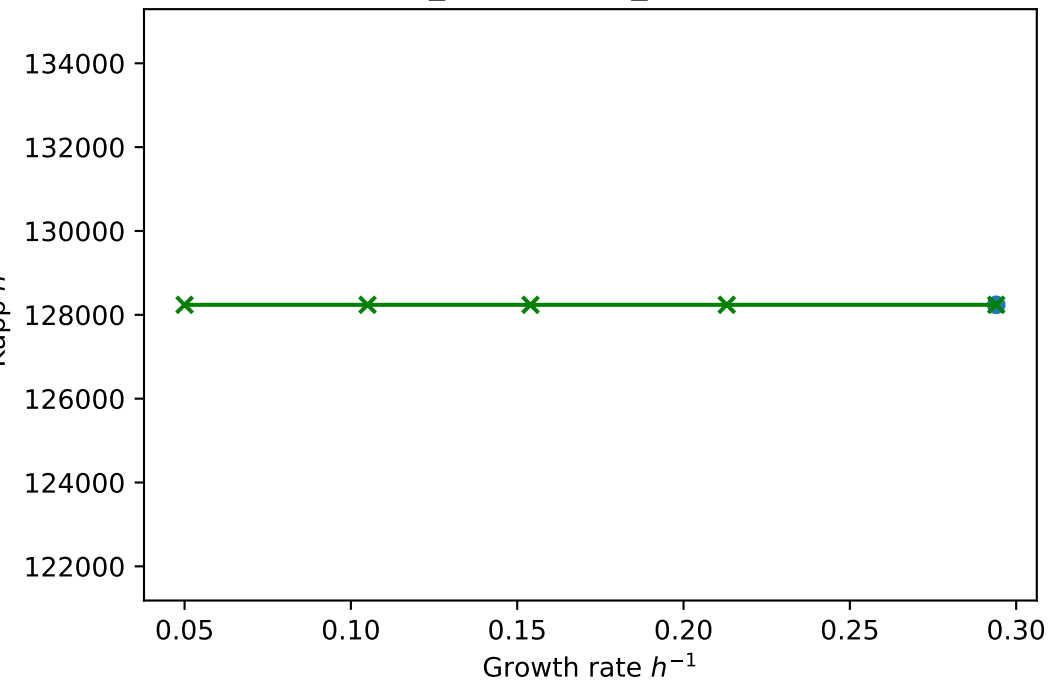
R_SADT_enzyme



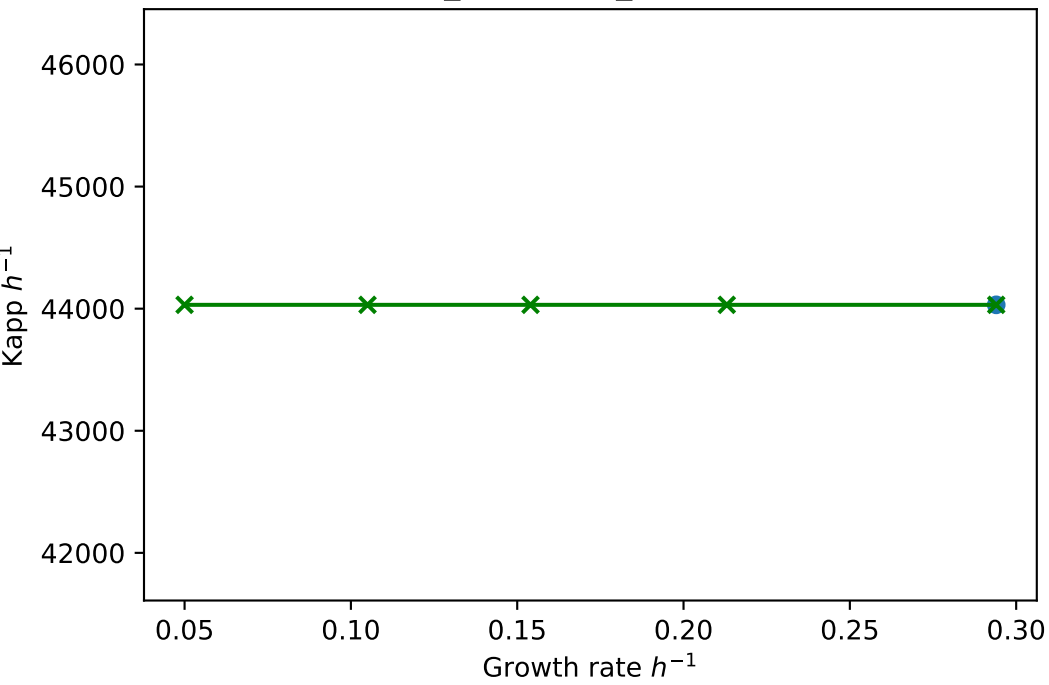
R_ORNTA_enzyme



R_ALCD22xim_enzyme



R_THIORDXi_enzyme



R_THIORDXi_duplicate_2_enzyme

