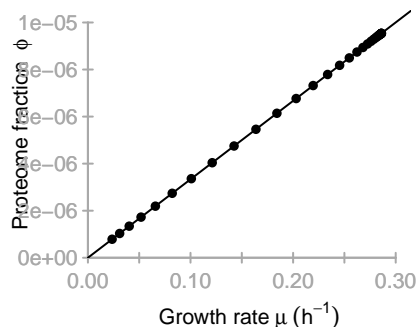
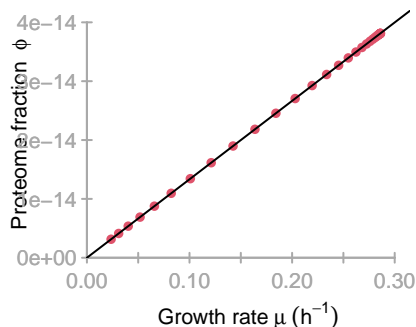


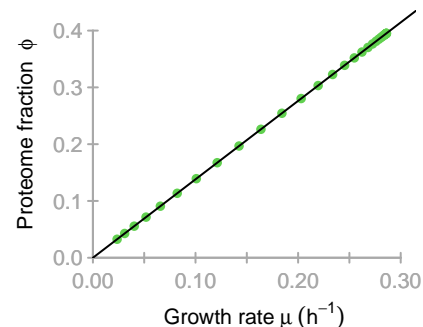
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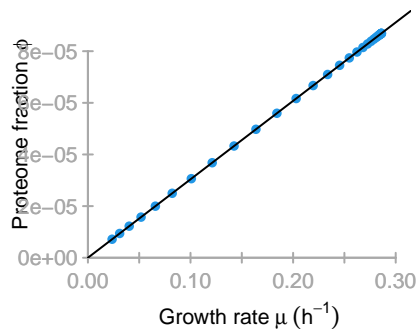
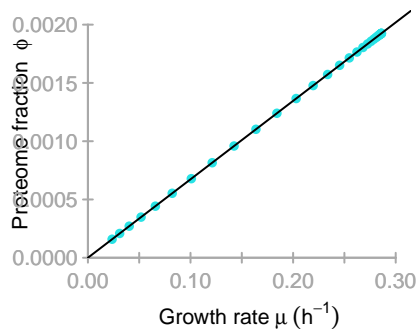
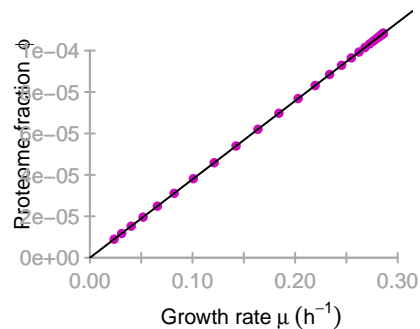
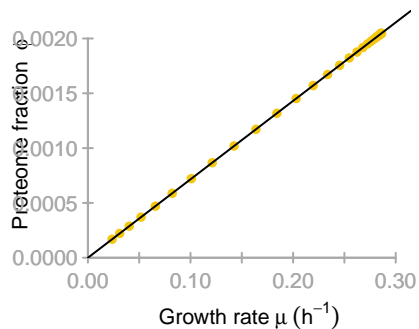
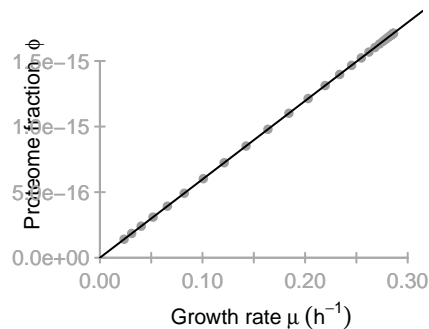
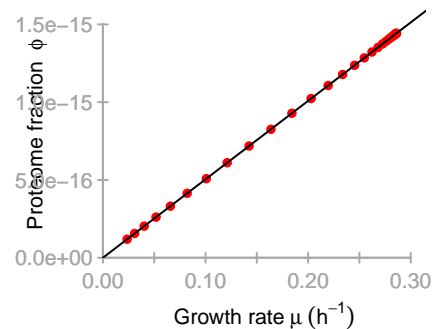


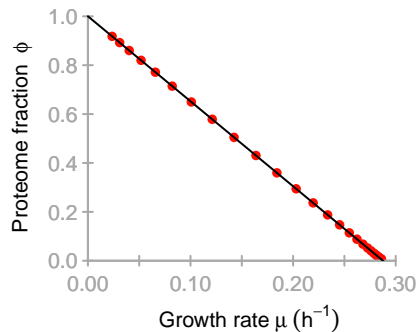
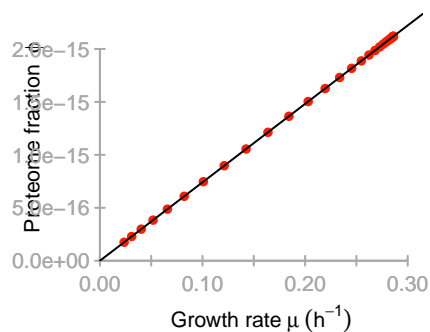
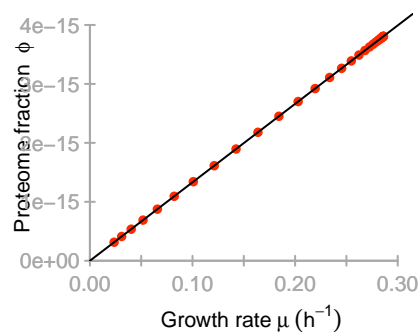
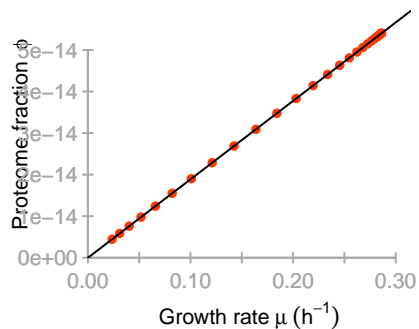
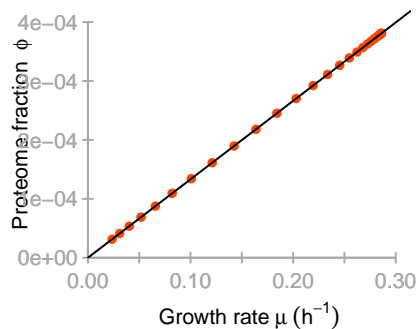
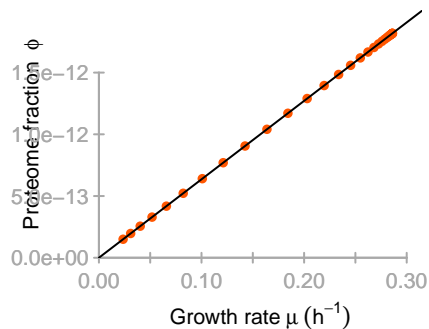
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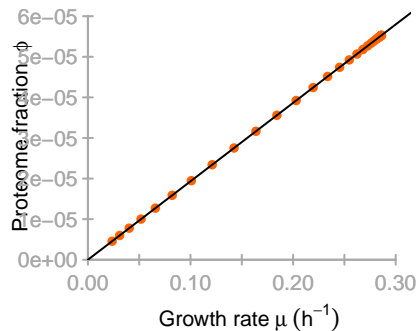
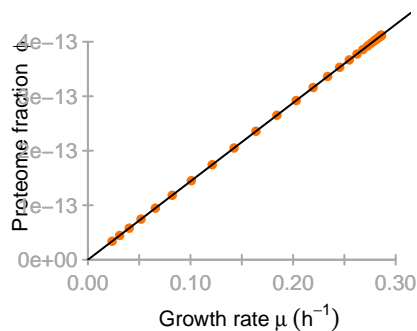
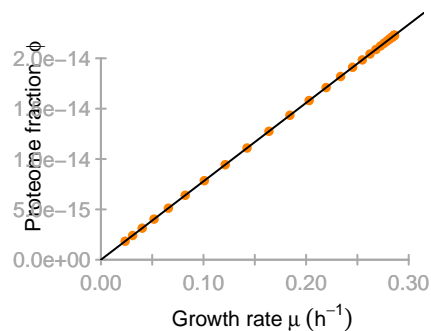
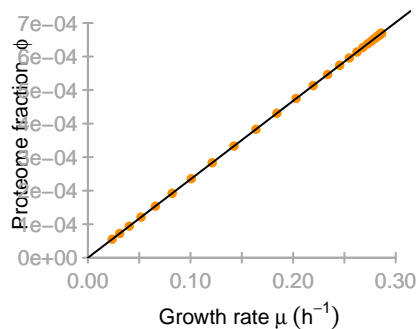
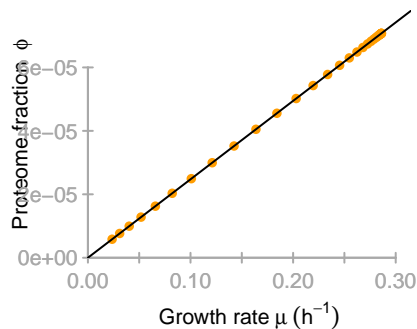
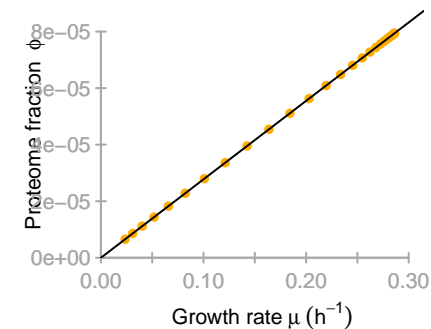


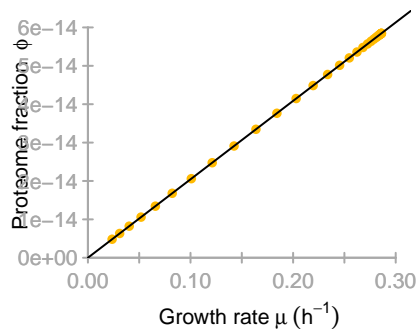
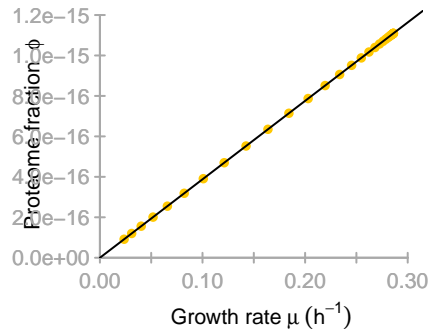
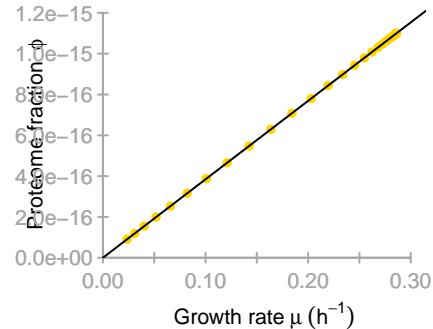
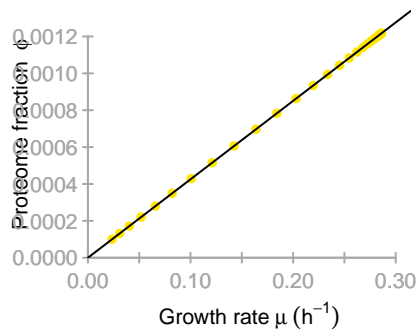
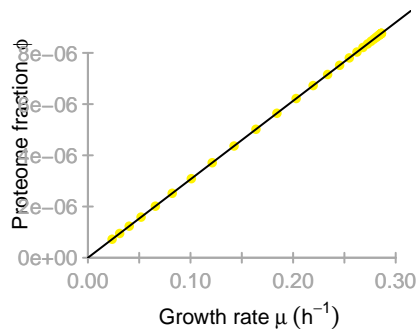
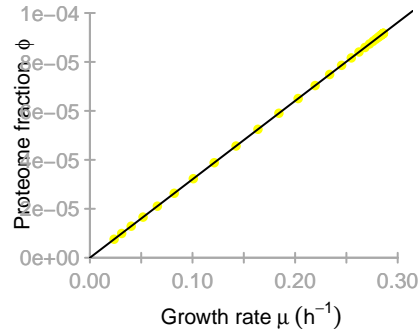
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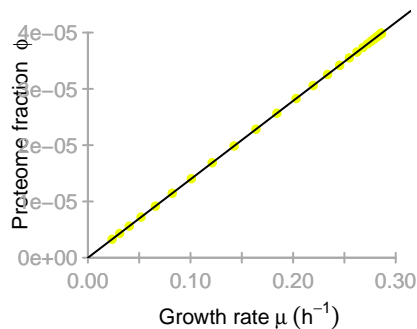
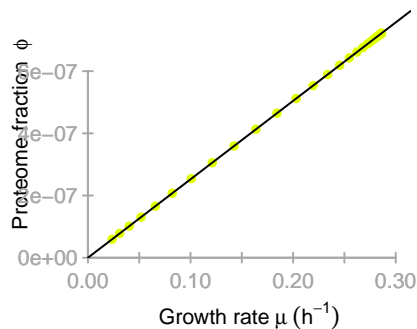
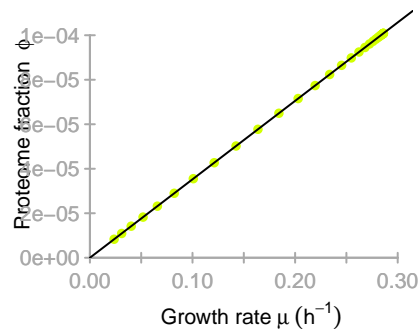
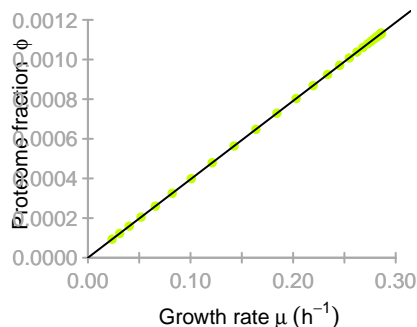
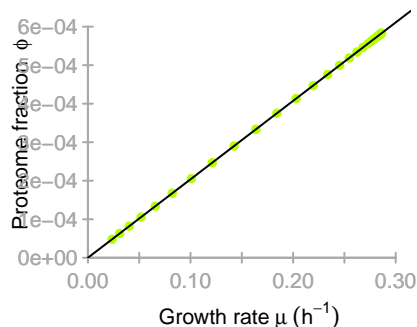
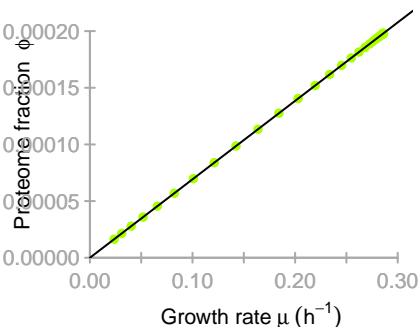


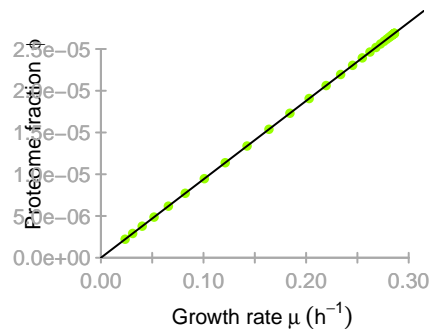
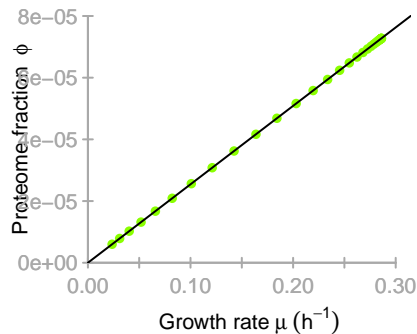
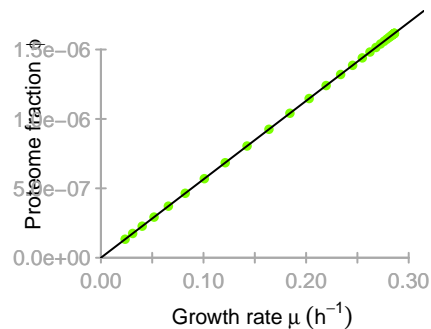
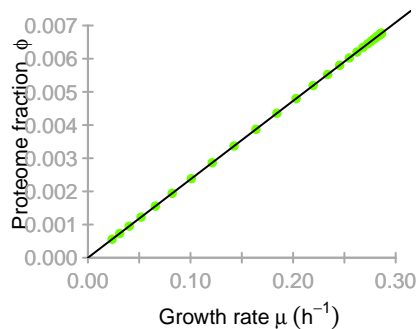
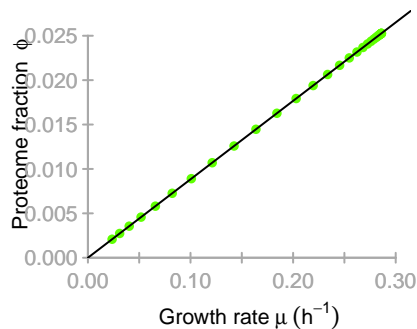
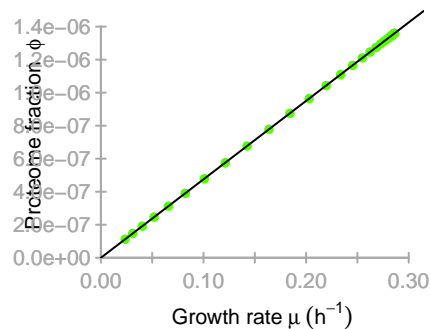
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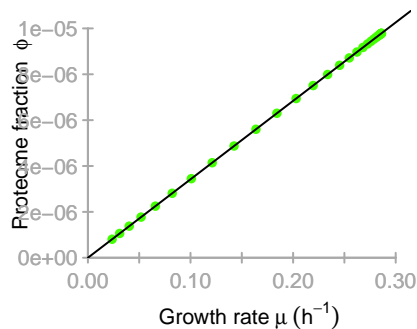
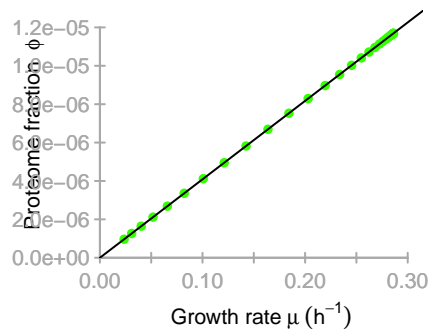
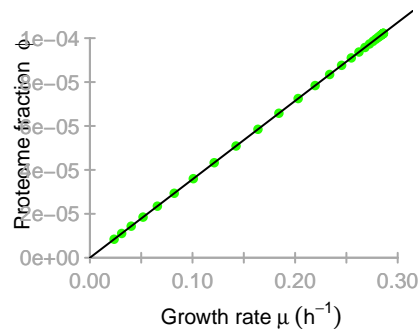
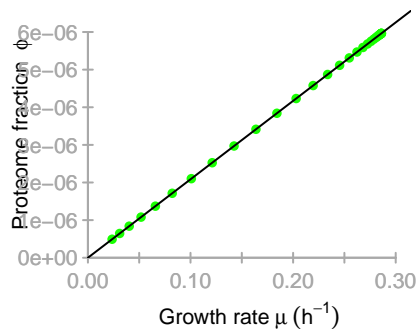
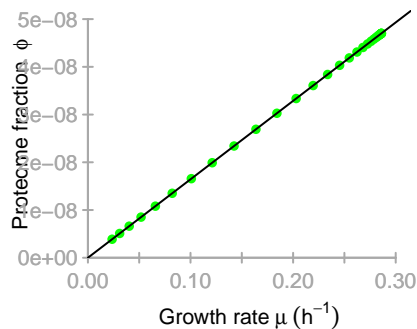
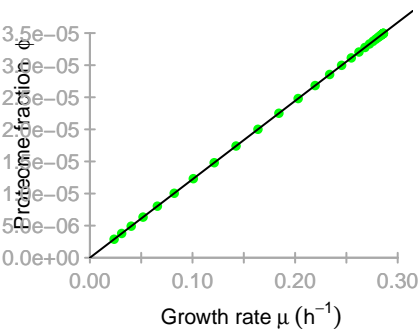
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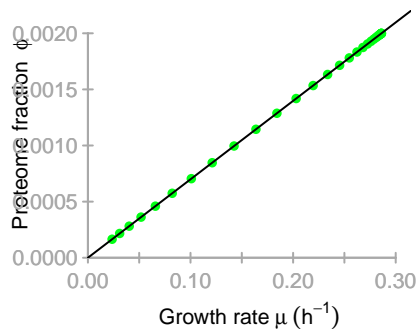
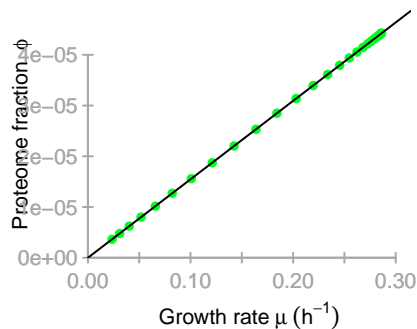
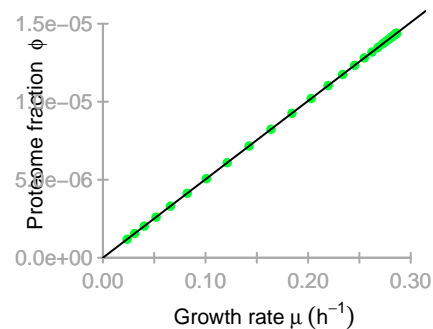
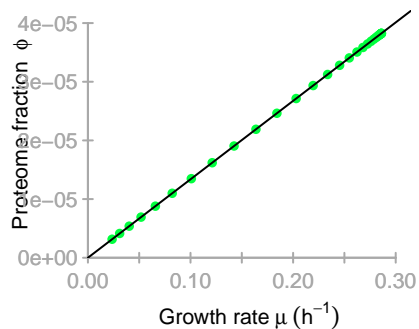
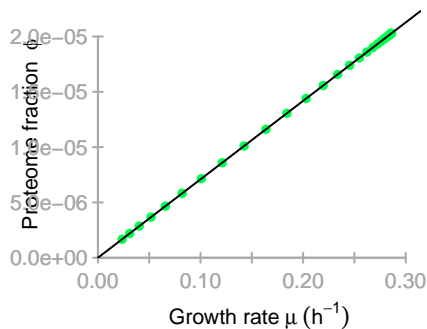
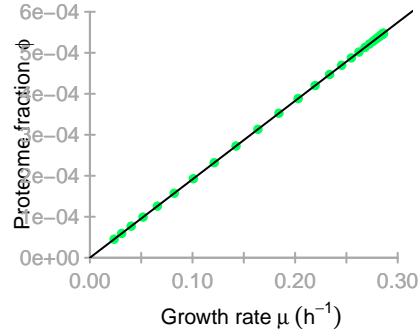
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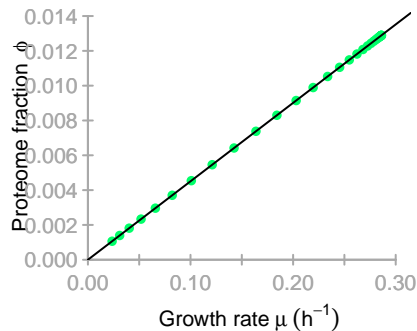
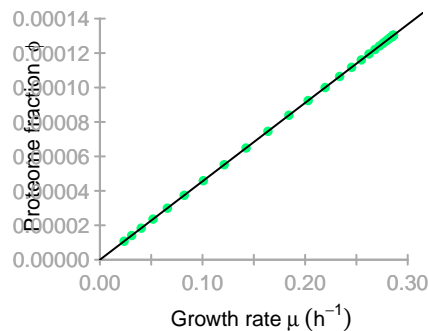
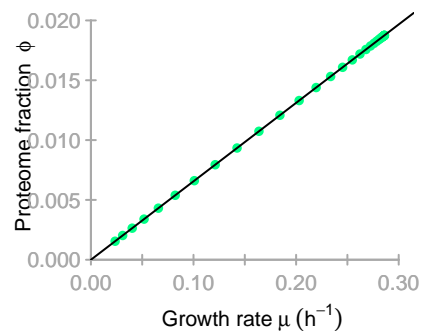
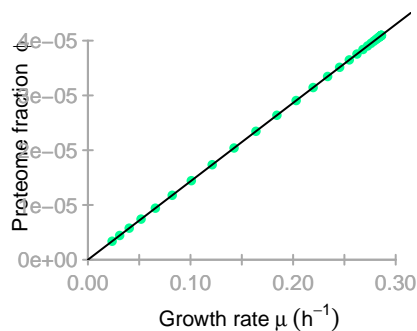
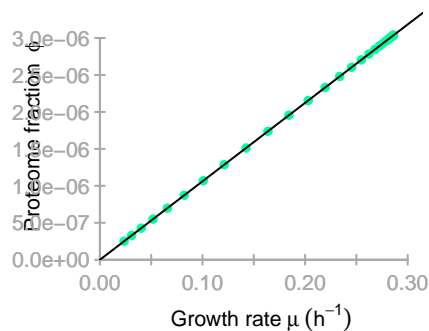
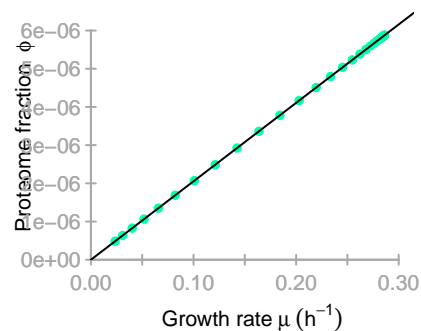
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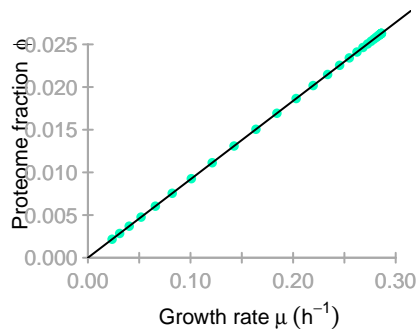
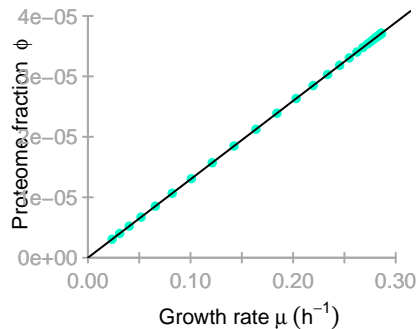
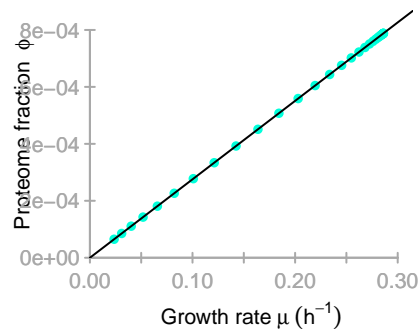
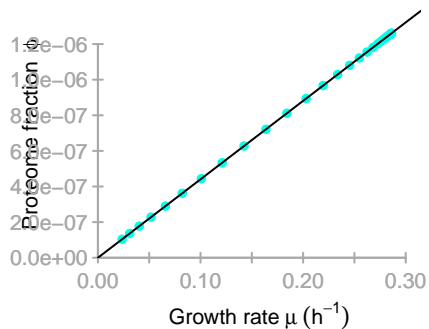
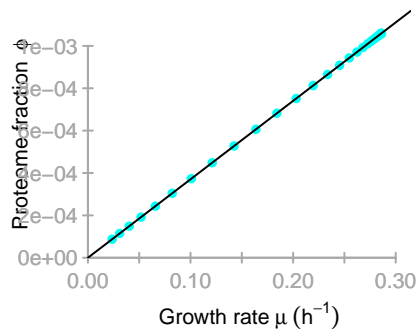
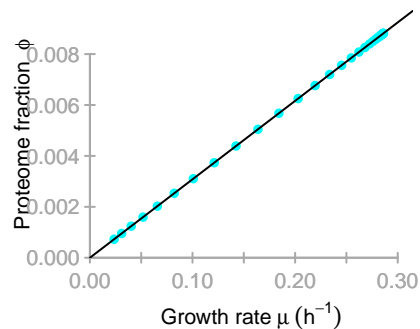
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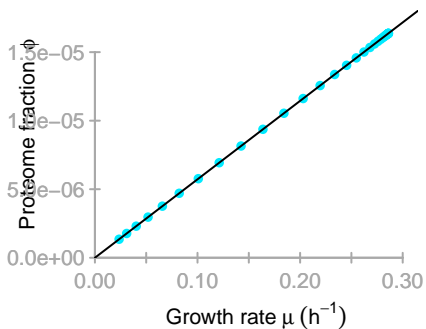
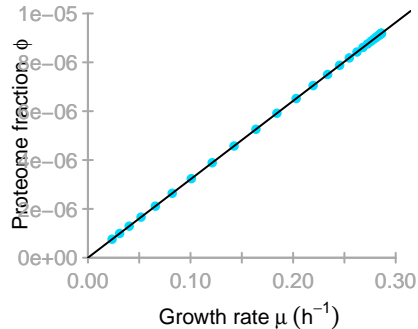
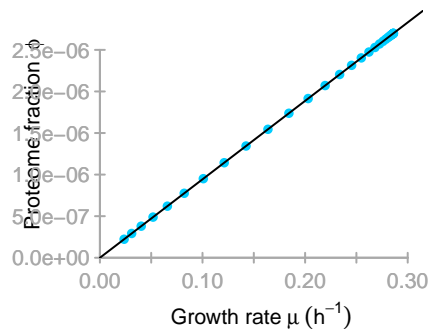
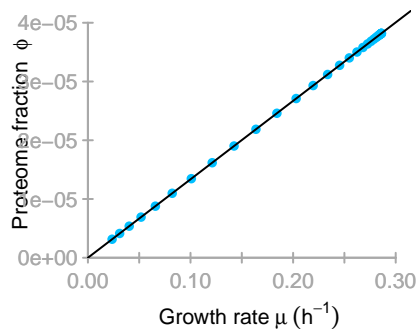
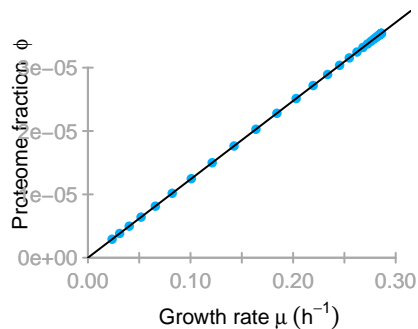
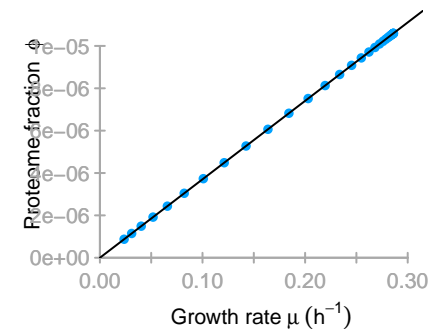
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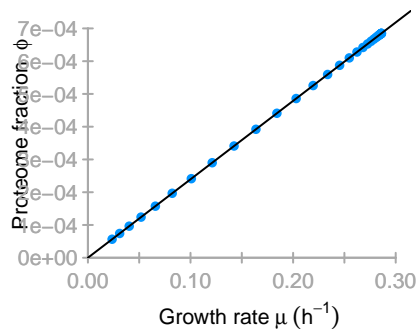
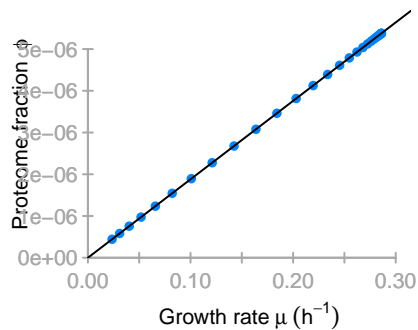
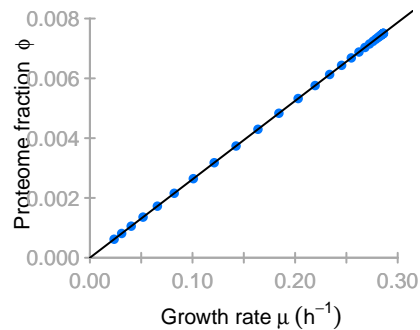
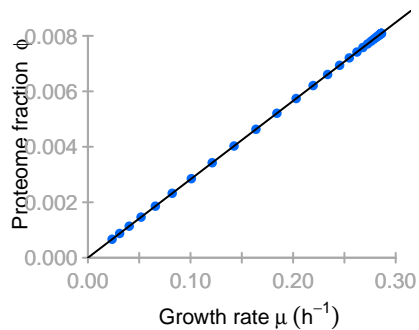
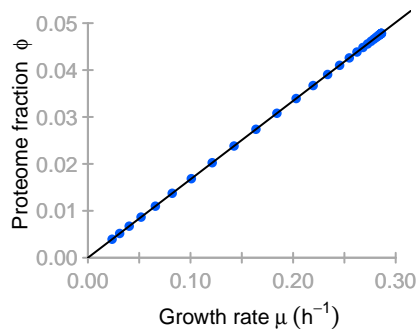
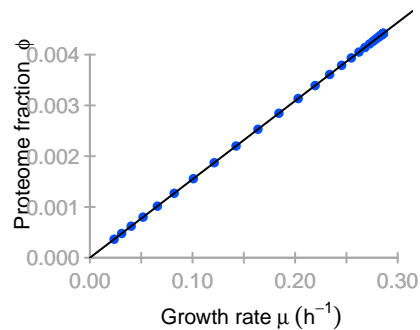
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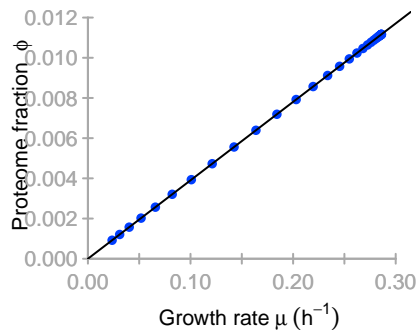
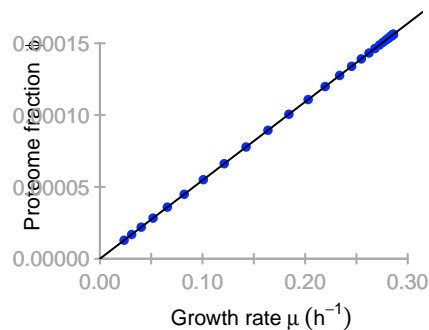
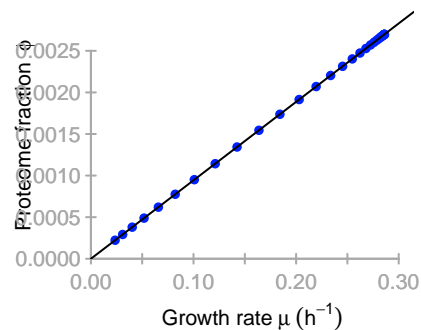
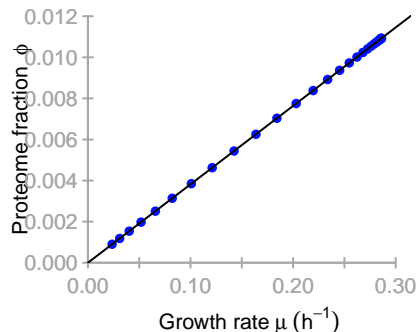
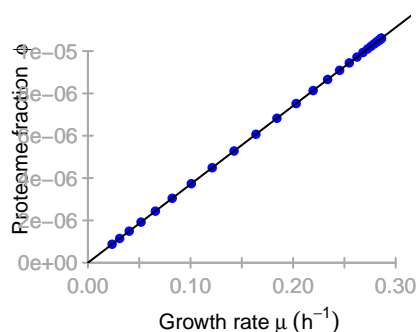
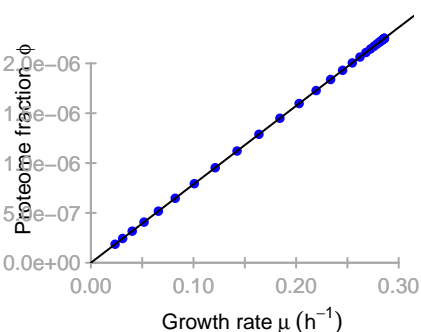
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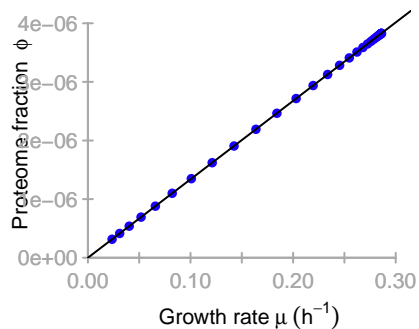
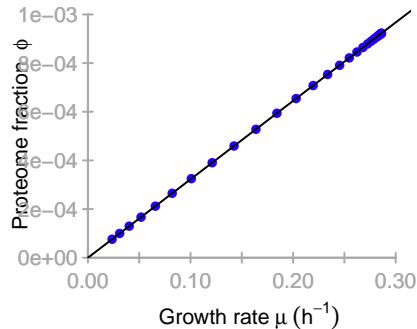
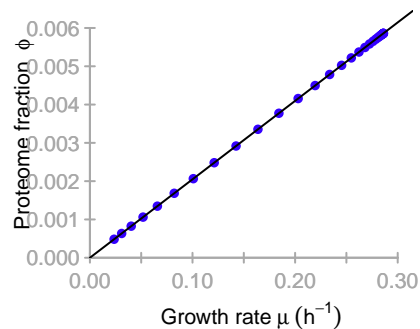
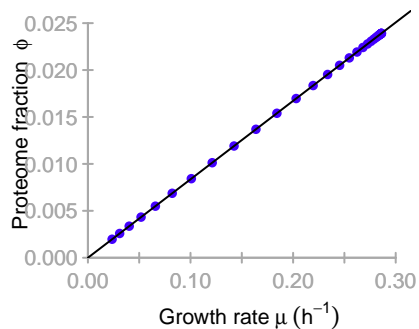
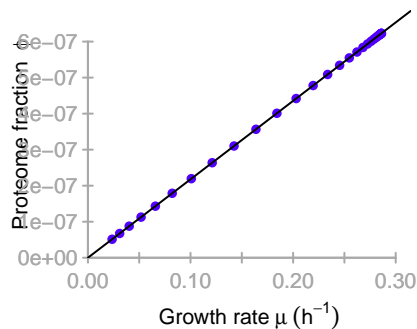
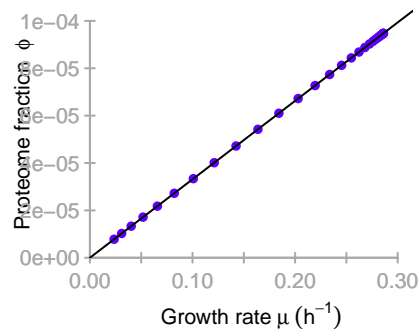
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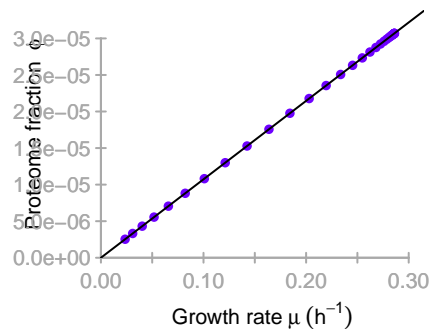
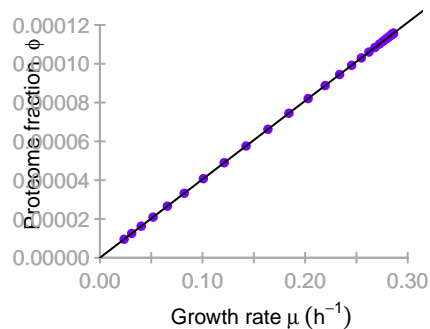
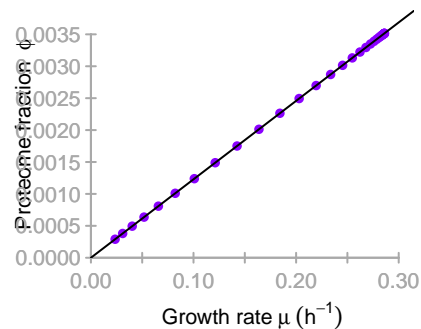
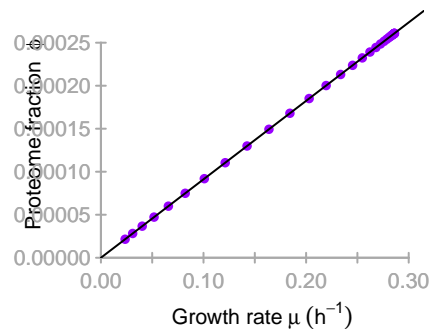
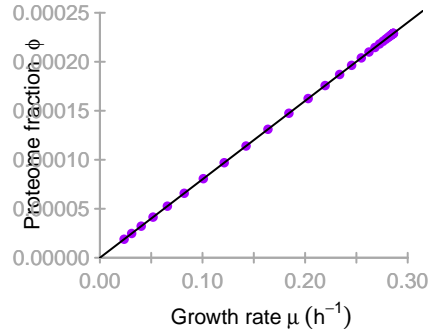
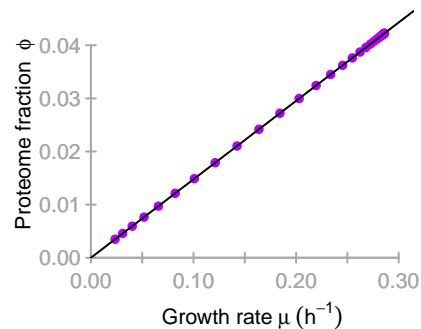
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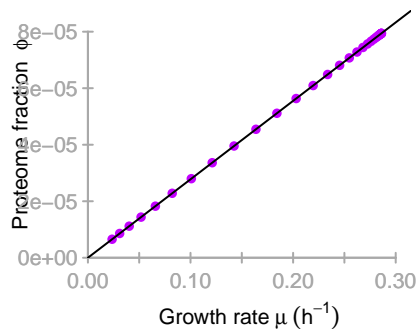
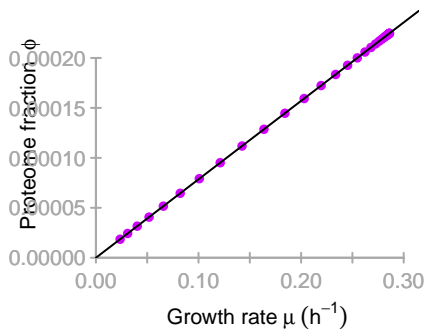
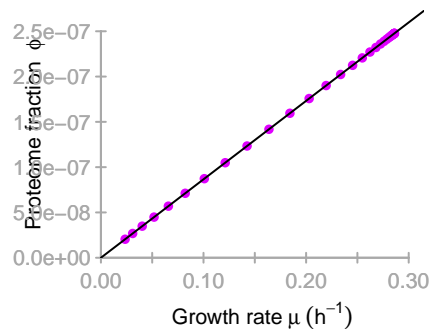
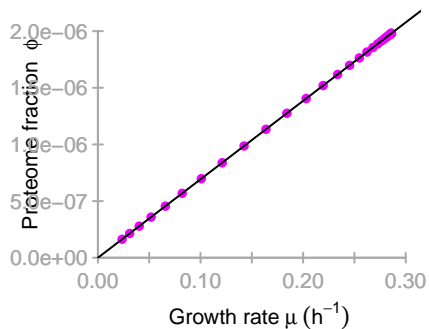
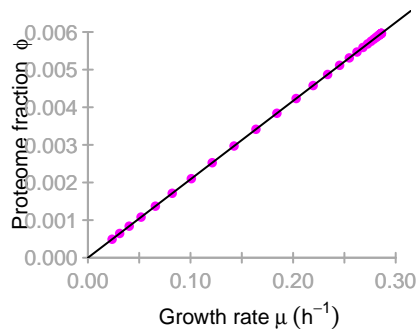
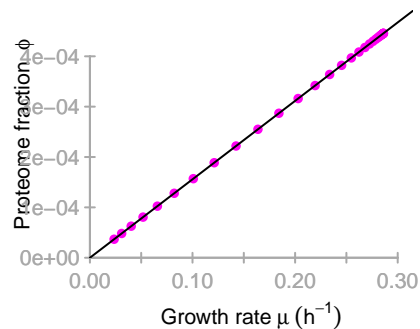
MTHFC**MTHFD****NADHK****NADS****NCTPPRT****NNATr**

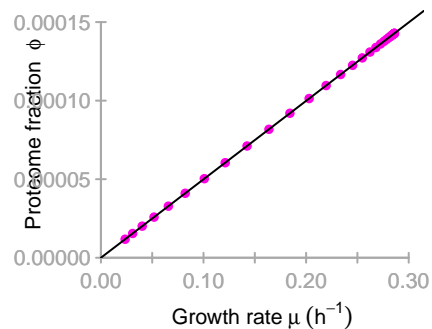
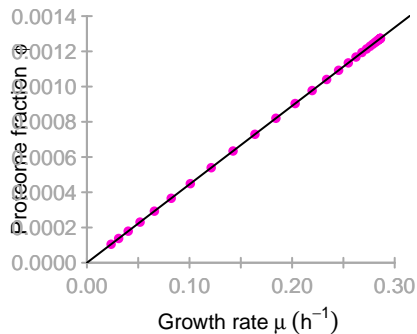
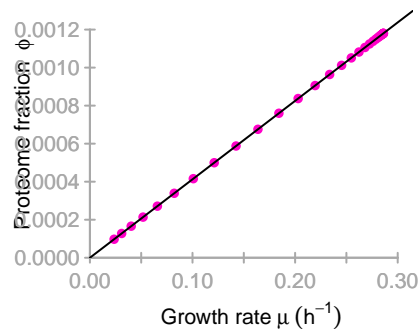
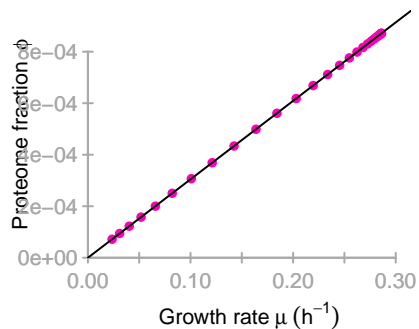
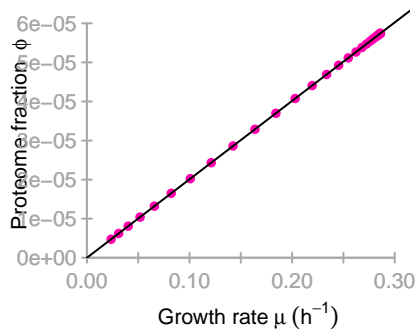
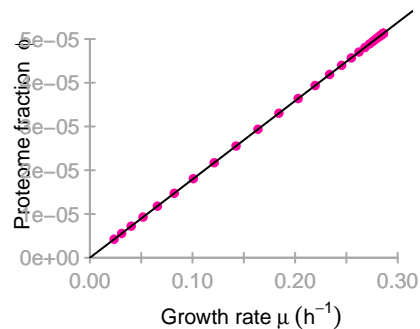
NOX**PAPA****PDH_E3****PDH_acald****PFK****PGI**

PGK**PGK3****PGK4****PGM****PGMT****PGPP**

PGSA**PPA****PPM2****PRPPS****PSSYN****PTAr**

PUNP2**PUNP4****PYK2****PYK4****PYK5****PYK6**

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RPI**TALA****TKT1****TKT2****TMDK1****TMPK**

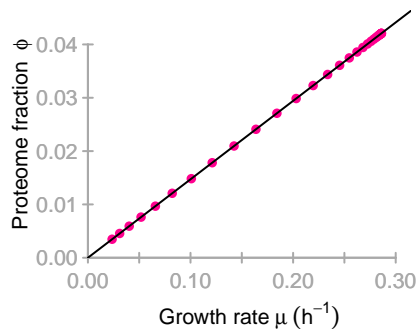
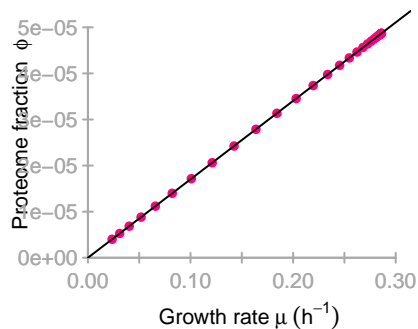
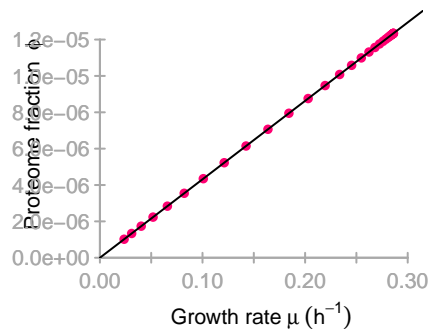
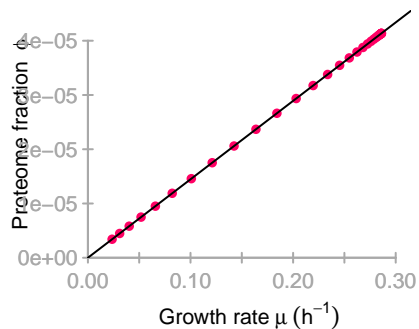
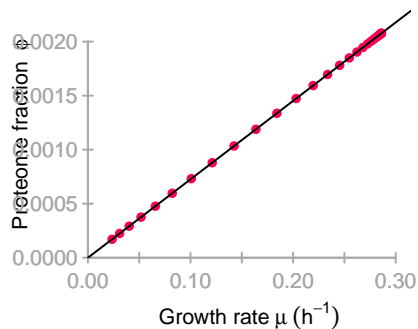
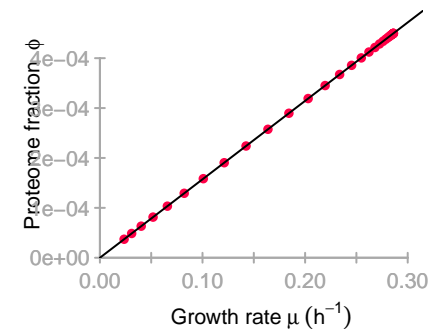
TPI**TRDR****UDPG4E****UDPGALM****UMPK****UPPRT**

Figure 2 is a scatter plot showing the proteome fraction ϕ (Y-axis) versus the growth rate μ (h^{-1}) (X-axis). The X-axis ranges from 0.00 to 0.30, and the Y-axis ranges from 0.00000 to 0.00020. Red dots represent data points, and a black line represents the linear fit. The data shows a strong positive linear correlation.

Figure 1 is a scatter plot showing the relationship between the proteome fraction ϕ (y-axis) and the growth rate μ (x-axis). The y-axis ranges from 0.000 to 0.025, and the x-axis ranges from 0.00 to 0.30. Red dots represent experimental data points, and a black line represents the linear fit. The data shows a strong positive linear correlation.

[illegible]

Figure 1 is a scatter plot showing the relationship between protein concentrations p (g/L) on the y-axis and growth rate μ (h^{-1}) on the x-axis. The y-axis ranges from 0 to 150 g/L, and the x-axis ranges from 0.00 to 0.30 h^{-1} . The plot displays data for 20 different *E. coli* strains, each represented by a unique color and symbol. The legend identifies the strains: 5FTHFabC (black), A21 (green), ATPase (blue), COAabc (cyan), DADabc (magenta), DCTFabC (red), DCSNabc (yellow), FAI (orange), FGR1 (brown), GLCys1 (pink), GLCys2 (purple), GLCY1 (dark red), HGR1 (dark blue), H8 (dark green), LIPTA (light green), L-Lysabc (light blue), NACabc (light orange), NHQ1 (light purple), COB (light brown), CYS1 (light pink), CYS2 (light purple), KIBFLVabc (light orange), NH2abc (light blue), NH2 (light green), and NADabc (light pink). The plot shows that for most strains, protein concentration decreases as growth rate increases. The 5FTHFabC strain shows the highest protein concentration, starting around 150 g/L at low growth rates and decreasing to about 50 g/L at 0.30 h^{-1} . The NADabc strain shows the lowest protein concentration, remaining near 0 g/L across the entire growth rate range.

