

Figure 3: Results for *E. coli* central metabolism with experimental data (aerobic growth on glucose). The kinetic data stem from previous parameter balancing based on *in-vitro* data. Top: estimation using kinetic data. Centre: estimation using equilibrium constants as the only kinetic data. Bottom: estimation without usage of kinetic data. The same metabolite, enzyme, and kinetic data were used in [?].

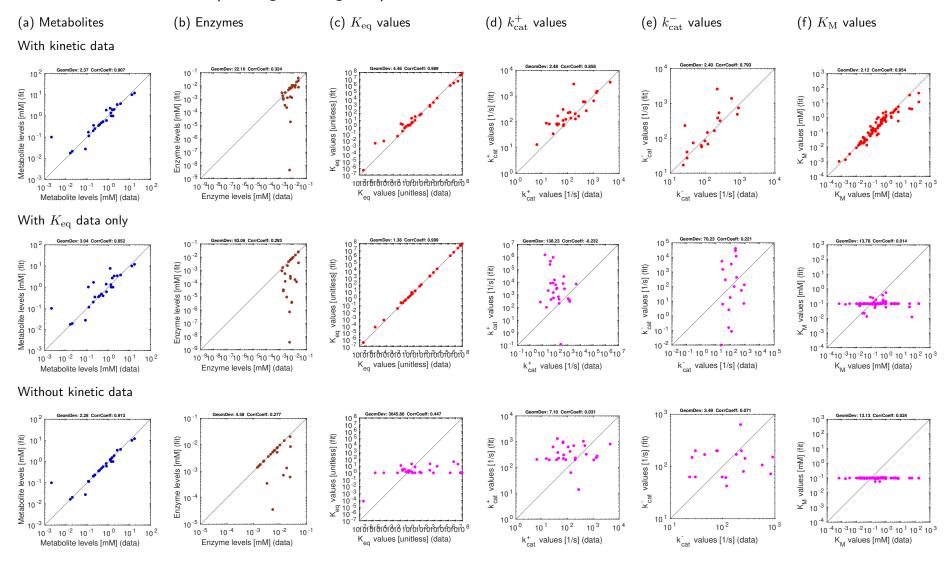


Figure 4: Results for *E. coli* central metabolism with experimental data (aerobic growth on glucose). Same as Figure 18, but based on original kinetic *in-vitro* data instead of balanced kinetic data.

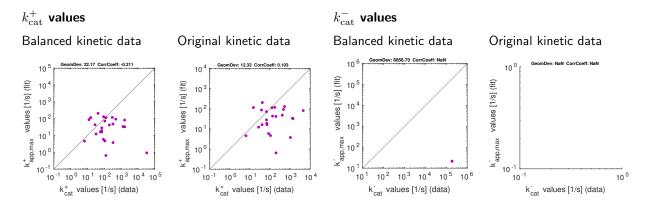


Figure 5: Catalytic constants in E. coli central metabolism model (aerobic growth on glucose), estimated by kinetic profiling [?].

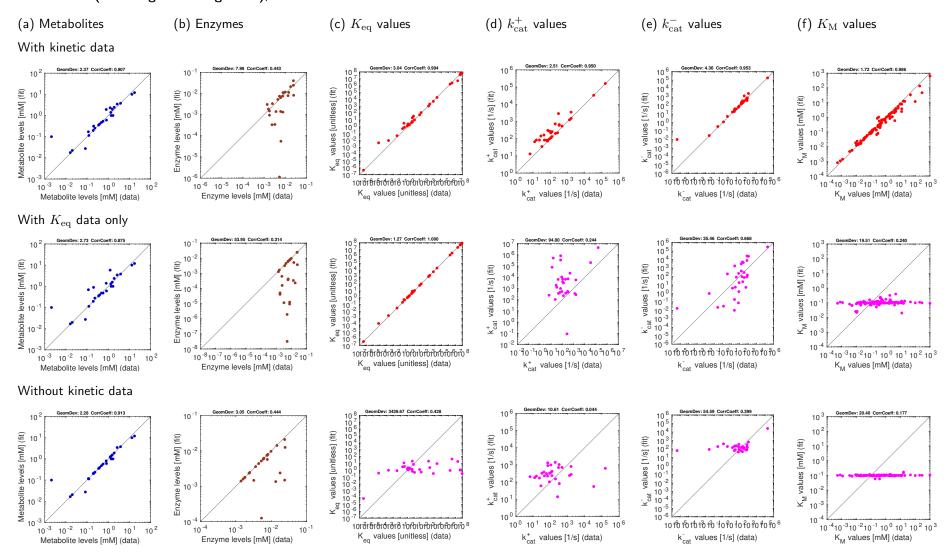


Figure 6: Results for *E. coli* central metabolism with experimental data (aerobic growth on glucose). The kinetic data stem from previous parameter balancing based on *in-vitro* data. Top: estimation using kinetic data. Centre: estimation using equilibrium constants as the only kinetic data. Bottom: estimation without usage of kinetic data. The same metabolite, enzyme, and kinetic data were used in [?].

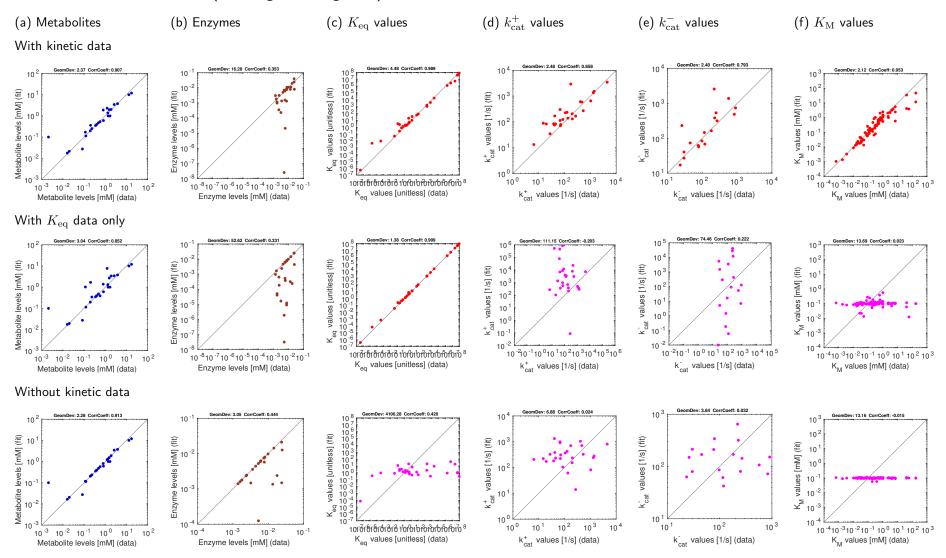


Figure 7: Results for *E. coli* central metabolism with experimental data (aerobic growth on glucose). Same as Figure 18, but based on original kinetic *in-vitro* data instead of balanced kinetic data.

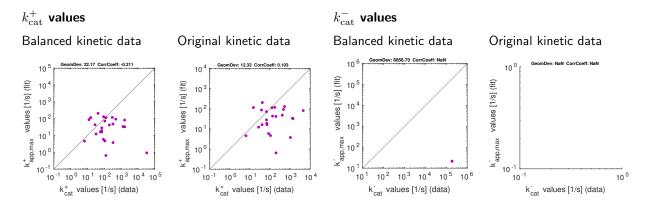


Figure 8: Catalytic constants in E. coli central metabolism model (aerobic growth on glucose), estimated by kinetic profiling [?].

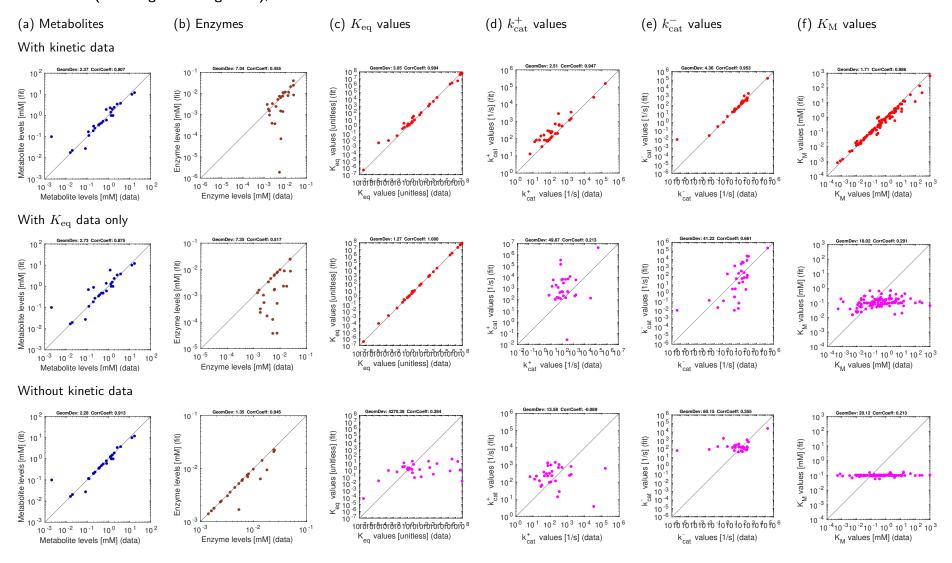


Figure 9: Results for *E. coli* central metabolism with experimental data (aerobic growth on glucose). The kinetic data stem from previous parameter balancing based on *in-vitro* data. Top: estimation using kinetic data. Centre: estimation using equilibrium constants as the only kinetic data. Bottom: estimation without usage of kinetic data. The same metabolite, enzyme, and kinetic data were used in [?].

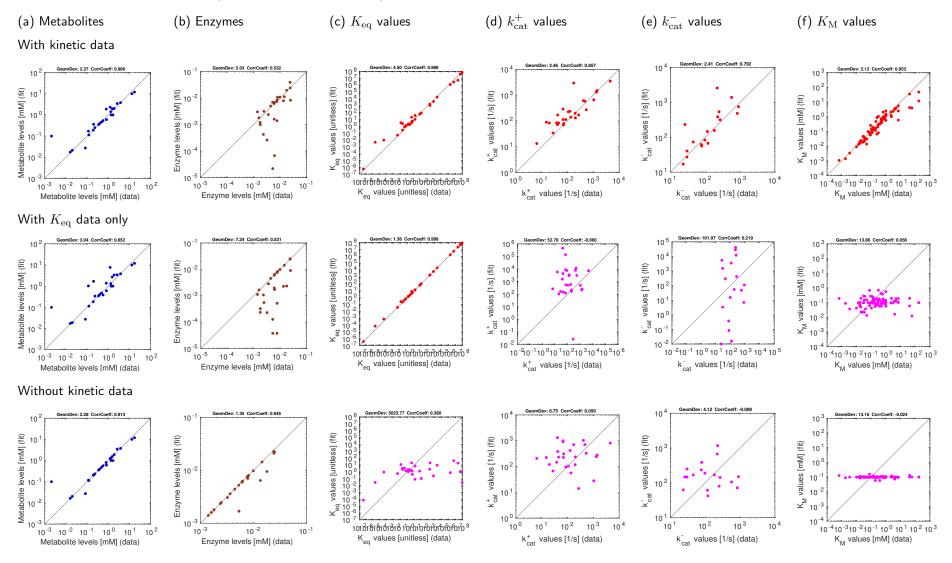


Figure 10: Results for *E. coli* central metabolism with experimental data (aerobic growth on glucose). Same as Figure 18, but based on original kinetic *in-vitro* data instead of balanced kinetic data.

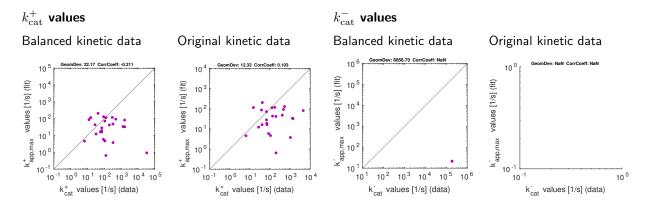


Figure 11: Catalytic constants in E. coli central metabolism model (aerobic growth on glucose), estimated by kinetic profiling [?].

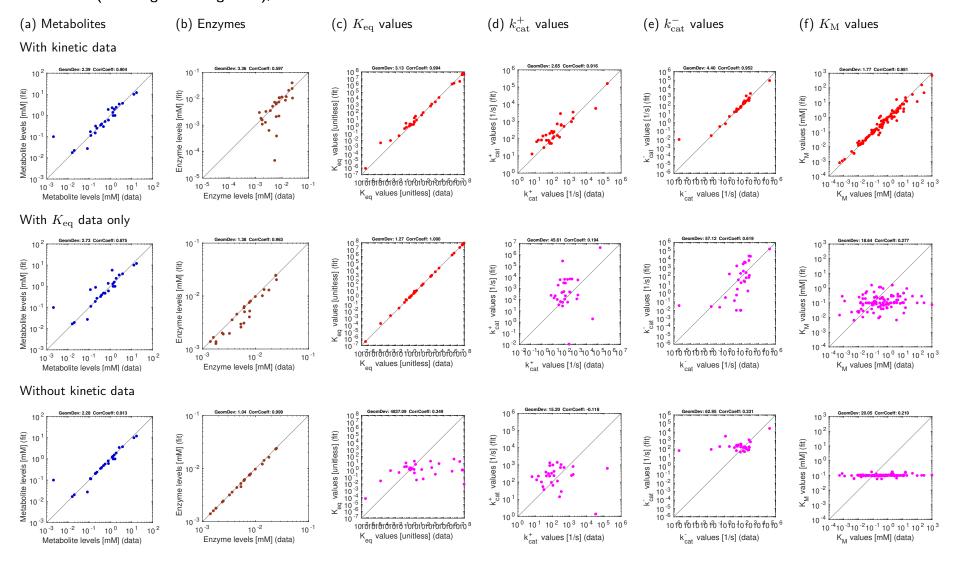


Figure 12: Results for *E. coli* central metabolism with experimental data (aerobic growth on glucose). The kinetic data stem from previous parameter balancing based on *in-vitro* data. Top: estimation using kinetic data. Centre: estimation using equilibrium constants as the only kinetic data. Bottom: estimation without usage of kinetic data. The same metabolite, enzyme, and kinetic data were used in [?].

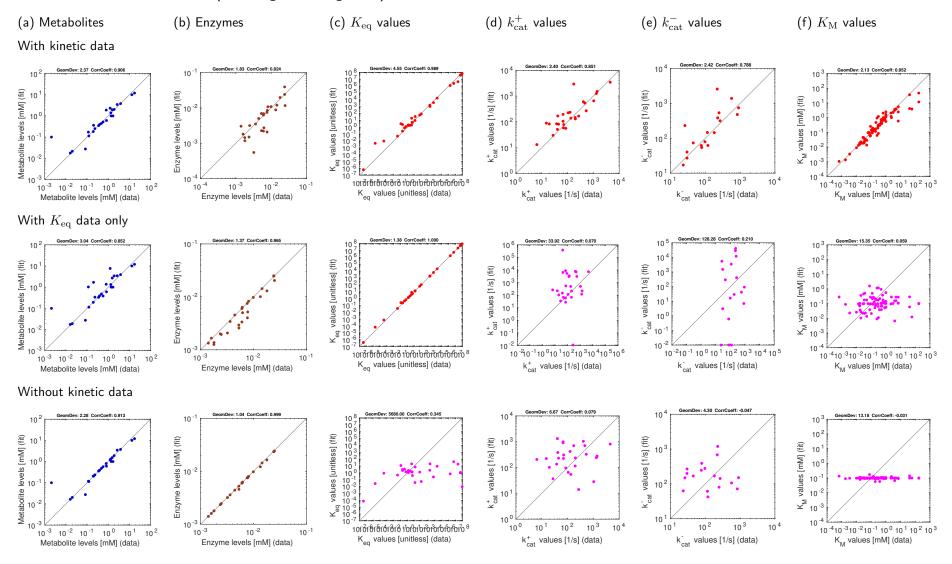


Figure 13: Results for *E. coli* central metabolism with experimental data (aerobic growth on glucose). Same as Figure 18, but based on original kinetic *in-vitro* data instead of balanced kinetic data.

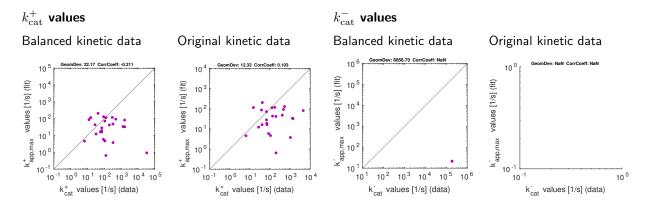


Figure 14: Catalytic constants in E. coli central metabolism model (aerobic growth on glucose), estimated by kinetic profiling [?].

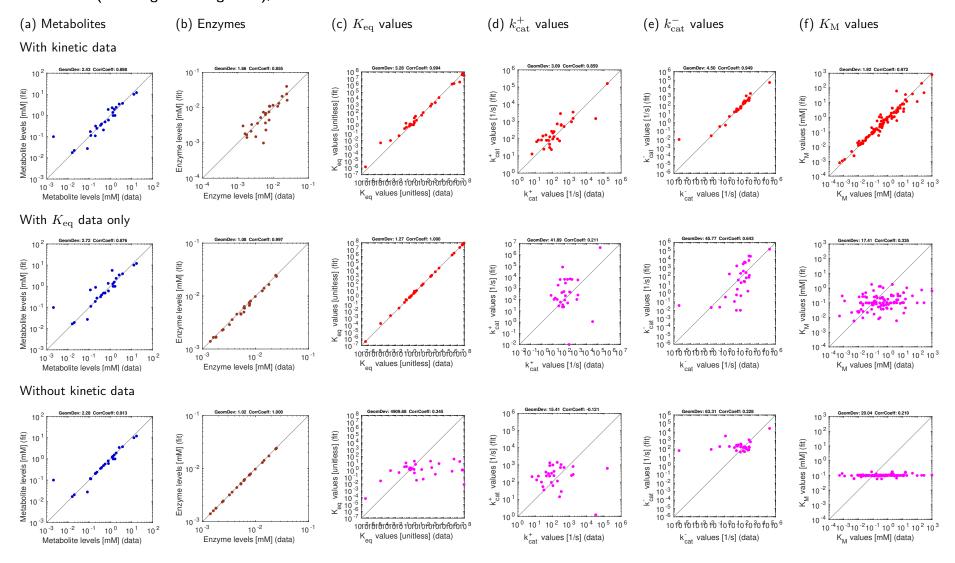


Figure 15: Results for *E. coli* central metabolism with experimental data (aerobic growth on glucose). The kinetic data stem from previous parameter balancing based on *in-vitro* data. Top: estimation using kinetic data. Centre: estimation using equilibrium constants as the only kinetic data. Bottom: estimation without usage of kinetic data. The same metabolite, enzyme, and kinetic data were used in [?].

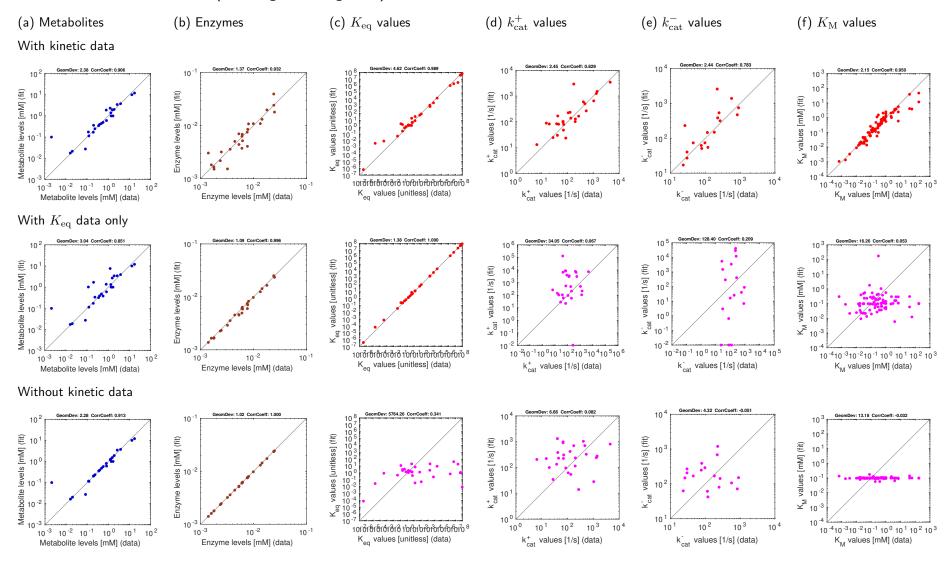


Figure 16: Results for *E. coli* central metabolism with experimental data (aerobic growth on glucose). Same as Figure 18, but based on original kinetic *in-vitro* data instead of balanced kinetic data.

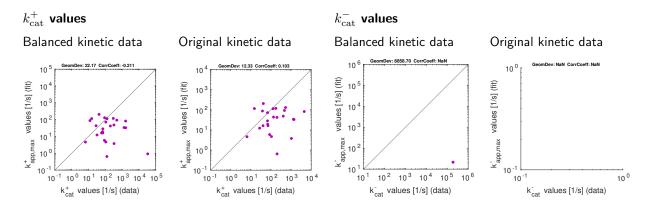


Figure 17: Catalytic constants in *E. coli* central metabolism model (aerobic growth on glucose), estimated by kinetic profiling [?].

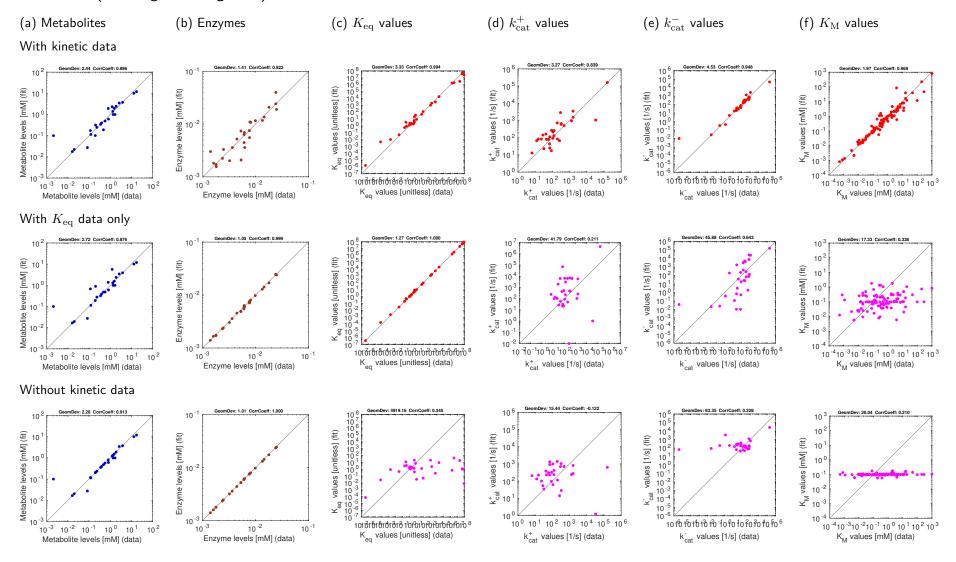


Figure 18: Results for *E. coli* central metabolism with experimental data (aerobic growth on glucose). The kinetic data stem from previous parameter balancing based on *in-vitro* data. Top: estimation using kinetic data. Centre: estimation using equilibrium constants as the only kinetic data. Centre: estimation without usage of kinetic data. The same metabolite, enzyme, and kinetic data were used in [?].

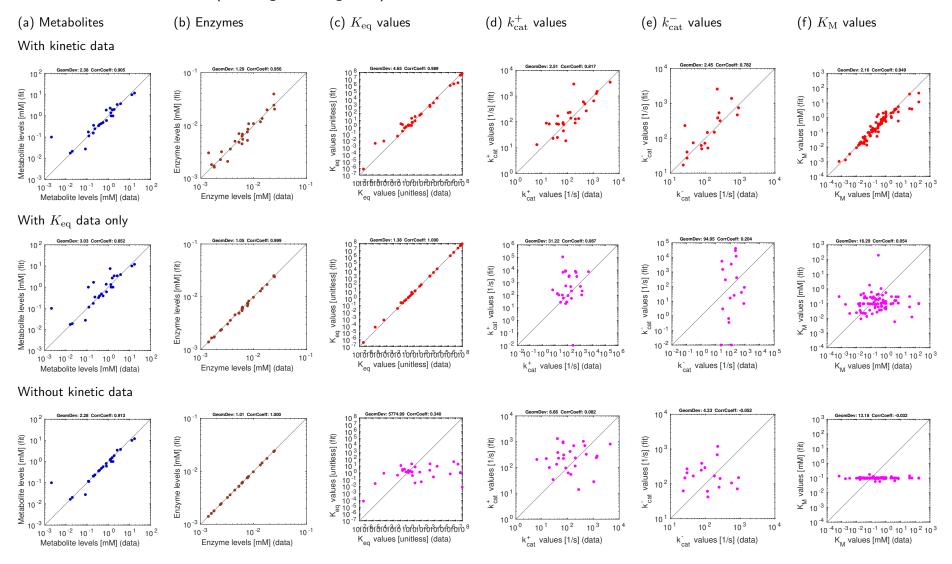


Figure 19: Results for *E. coli* central metabolism with experimental data (aerobic growth on glucose). Same as Figure 18, but based on original kinetic *in-vitro* data instead of balanced kinetic data.

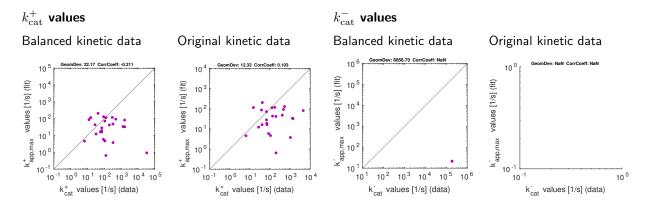


Figure 20: Catalytic constants in *E. coli* central metabolism model (aerobic growth on glucose), estimated by kinetic profiling [?].