*Modeling of force-tendon deformation relationship*

For the purposes of literature comparison and to implement further modeling studies, the force-tendon deformation relationship was also computed from our experimental data. The tendon length (Lt) was calculated as the difference between Lmtu and Lm. The tendon deformation (εt) corresponds to the difference between Lt and Lt at rest divided by the rest length. A normalized relationship between muscle force and tendon deformation was modeled using the isometric ramp performed in the neutral position using exponential equation presented below. Maximum deformation (εtmax) corresponds to the εtwhen the force was maximal.