9.1 List of abbreviations

9.2 Literature references
9.1 List of abbreviations

List of the most important, often used abbreviations in this thesis:

- **ACTA**: gene encoding α-ACTin
- **ANOVA**: Analysis Of Variation
- **Ca^{2+}**: Calcium
- **CamK2**: Ca^{2+} dependent CalModulin Kinase 2
- **cMyBP-C**: cardiac Myosin Binding Protein C
- **CSRP3**: gene encoding muscle LiM protein
- **cTnI**: cardiac Troponin I
- **cTnT**: cardiac Troponin T
- **EC_{50}**: calcium concentration at which 50% of maximal force is reached
- **ECG**: ElectroCardioGram
- **FibD**: myoFibillar Density
- **F_{max}**: maximal calcium activated Force development
- **F_{pas}**: passive Force development
- **F_{total}**: total maximal Force development
- **HCM_mn**: hypertrophic cardiomyopathy patients without an identified sarcomeric mutation (mutation negative)
- **IDCM**: Idiopathic Dilated CardioMyopathy
- **IVS**: InterVentricular Septum
- **k_{df}**: rate of delayed force redevelopment in response to stretch
- **k_{rel}**: rate of force decay (relaxation) in response to stretch
- **k_{tr}**: rate of force redevelopment after a slack
- **LV**: Left Ventricle
- **LVEDD**: Left Ventricle End Diastolic Diameter
- **LVEF**: Left Ventricle Ejection Fraction
- **LVESD**: Left Ventricle End Systolic Diameter
- **MLC2**: Myosin Light Chain 2
- **MYBPC3**: gene encoding cardiac MYosin Binding Protein C
- **MYBPC3_{mut}**: hypertrophic cardiomyopathy patients with a mutation in the MYBPC3 gene
- **MYH7**: gene encoding MYosin Heavy chain
**MYL2** gene encoding MYosin Light chain 2

**MYL3** gene encoding MYosin Light chain 1

nH steepness of the force-pCa curve fitted to the Hill equation

P₀ steady state level of force before stretch activation

P₁ peak level of force reached in response to stretch

P₂ minimal level of force reached in response to stretch

P₃ maximal level of delayed force development reached in response to stretch

pCa -log₁₀ of the calcium concentration

pCa₅₀ pCa at which 50% of maximal force is reached

PKA Protein Kinase A

PKC Protein Kinase C

S.E.M Standard Error of the Mean

Ser Seronine

Thr Threonine

TM TropoMyosin

**TNNI3** gene encoding cardiac TropoNiN I

**TNNT2** gene encoding cardiac TropoNiN T

**TPM1** gene encoding α-TroPoMyosin

WT Wild Type
9.2 Literature References


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41. Korte FS, McDonald KS, Harris SP, Moss RL. Loaded shortening, power output, and rate of force redevelopment are increased with knockout of cardiac myosin binding protein-C. *Circ. Res.* 2003; 93:752-758.


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