

TABLE 3-4

Muscle Actions during Different Phases of the Cat Gait Cycle

Muscle Group	Swing		Stance	
	<i>F</i>	<i>E₁</i>	<i>E₂</i>	<i>E₃</i>
Extensors				
Hip	PL	AL	ISO	AS
Knee	PL	AS	AL	AS
Ankle	PL	AS	AL	AS
Flexors				
Hip	AS	ISO	AL	AL
Knee	AS/AL	AL	PS	AS/AL
Ankle	AS	AL	PL	AL

Source: Goslow, G. J., Reinking, R., & Stuart, D. (1973). The cat step cycle: Hind limb joint angles and muscle lengths during unrestrained locomotion. *Journal of Morphology*, 141, 1–42.

Abbreviations: PL, passive lengthening; AL, active lengthening; AS, active shortening; PS, passive shortening; ISO, isometric.