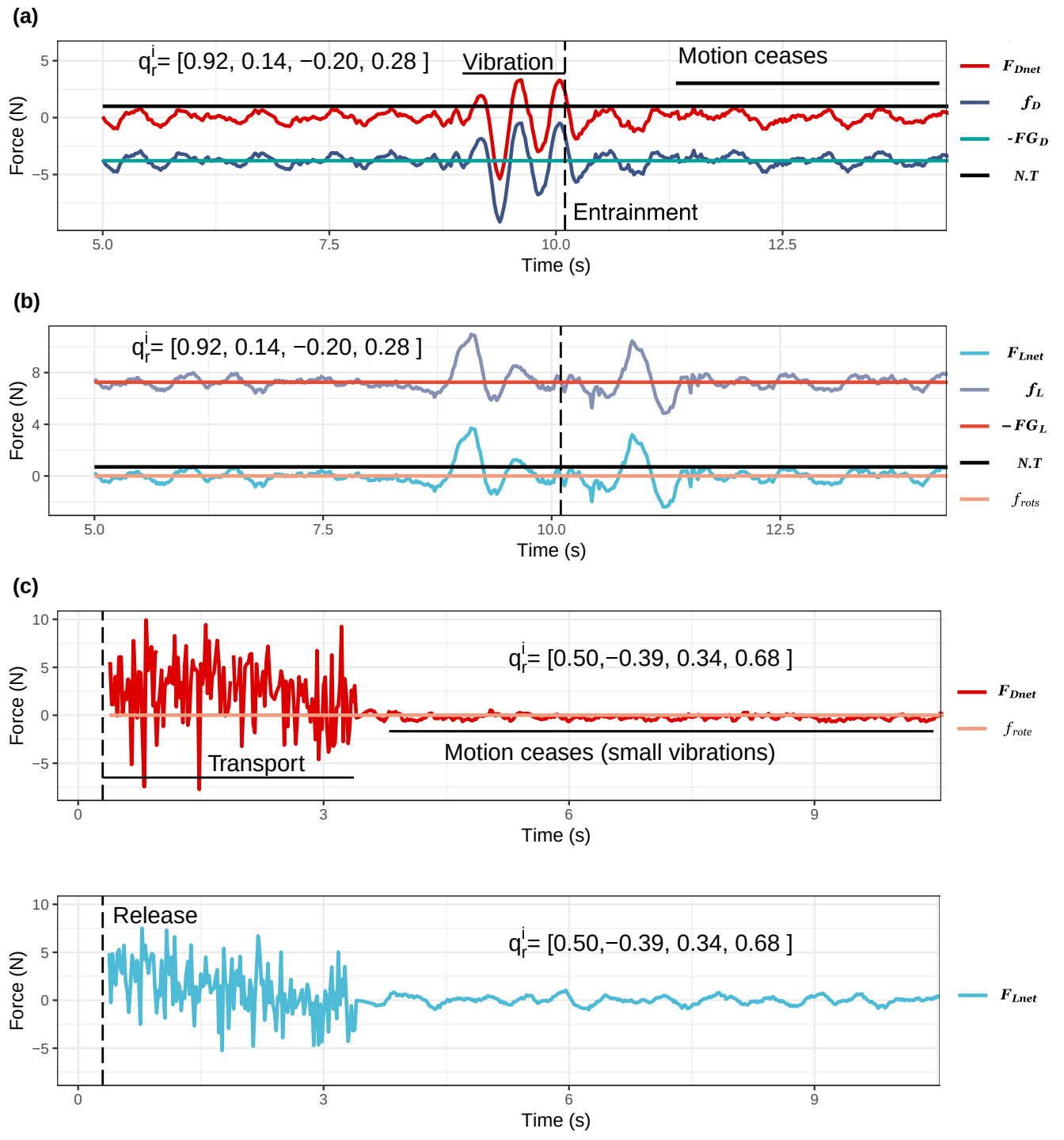
(a)
$q_r^i$= [0.92, 0.14, −0.20, 0.28 ]
Vibration
Motion ceases
Entrainment
Force (N)
Time (s)
$F_{Dnet}$
$f_D$
$-FG_D$
$N.T$
(b)
$q_r^i$= [0.92, 0.14, −0.20, 0.28 ]
Force (N)
Time (s)
$F_{Lnet}$
$f_L$
$-FG_L$
$N.T$
$f_{rots}$
(c)
$q_r^i$= [0.50,−0.39, 0.34, 0.68 ]
Transport
Motion ceases (small vibrations)
Force (N)
Time (s)
$F_{Dnet}$
$f_{rote}$
Release
$q_r^i$= [0.50,−0.39, 0.34, 0.68 ]
Force (N)
Time (s)
$F_{Lnet}$