

Table 1 of Supplementary Information 5 Comparison with a1, p1, a2, p2... of Pocock (1933).

	Base of antler	Brow line	Lower beam	Bez time	Medial time	Vertical time	Back beam	Trez time	Higher beam	Guard time	Crown-outer time	Crown-inner time	Crown-back time	Crown-back-outer time	Crown-back-inner time	Frontal time	Upper beam	Rear time	Terminal	Terminal-anterior time	Upper-1st time	Upper-2nd time	Upper-3rd time
<i>Cervus nippon</i>	b	a1	p1				a2	p2		a3	p3												
<i>Cervus canadensis</i>	b	a1	p1	x			a2	p2			a3	p3		a4	p4								
<i>Cervus elaphus</i>	b	a1	p1	x			a2	p2		a3/p3	a3	p3/a3		a4	p4								
<i>Rusa unicolor</i>	b	a1	p1				a2	p2															
<i>Rusa timoensis</i>	b	a1	p1				a2	p2															
<i>Rusa marianna</i>	b	a1	p1				a2	p2															
<i>Panolia eldii</i>	b	a1	p1,a2		p2																		
<i>Elaphurus davidianus</i>	b	a1	p1					p1															
<i>Dama dama</i>	b	a1	p1				a2	p2,a3	p3														
<i>Axis axis</i>	b	a1	p1				a2	p2															
<i>Axis porcinus</i>	b	a1	p1				a2	p2															
<i>Rucervus schomburgki</i>	b	a1	p1		a2	p3																	
<i>Rucervus duvaucelii</i>	b	a1	p1		a2	p3																	
<i>Muntiacus muntjak</i>	b	a1	p1																				
<i>Muntiac reevesi</i>	b	a1	p1																				
<i>Elaphodus cephalophus</i>	b																						
<i>Hydropotes inermis</i>																							
<i>Capreolus capreolus</i>	b	a1	p1											a2	p2								
<i>Capreolus pygargus</i>	b	a1	p1											a2	p2								
<i>Alces alces</i>	b																a1	p1					
<i>Rangifer tarandus</i>	b	a1	p1											a2	p2,a3	p3							
<i>Odocoileus virginianus</i>	b														p1,a2	a1			p2				
<i>Odocoileus hemionus</i>	b														p1,a2	a1			p2				
<i>Mazama americana</i>	b																						
<i>Blastocerus dichotomus</i>	b													a1	p1,a2	p2							

Table 2 of Supplementary Information 5 Comparison with previous works about homology and terminology of the elements.

		B Brow tine	L Lower beam	Z Bez tine	T Trez tine	H Higher beam	G Guard tine	CI Crown-inner tine	CO Crown-outer tine	CB Crown-back tine	F Frontal tine	U Upper Beam	R Rear tine	TA/TP Terminal-anterior/posterior tines
<i>Cervus elaphus</i>	Mooney (1952)	Brow tine	Beam	Bez tine	Tres tine	Beam	—	Cornet			—	—	—	—
	Muir <i>et al.</i> (1987)	Brow tine	Main shaft	Bez tine	Trez tine	Main shaft	—	Royal tines			—	—	—	—
	Fennessy <i>et al.</i> (1992)	Brow tine	Main Beam	Bez tine	Trez tine	Main Beam	—	Royal tines			—	—	—	—
	Mateos <i>et al.</i> (2008)	Brow tine			Trez tine		—	Crown tines			—	—	—	—
	Salmerón (2014)	Eye tine	Main Beam	Bez tine	Trez tine	Main beam	—	Crown			—	—	—	—
	Lefebvre <i>et al.</i> (2016)	Brow tine	BeamA2	Bez tine	Trez tine	BeamB	—	Crown			—	—	—	—
<i>Cervus canadensis</i>	Croitor & Obada (2018)	Brow tine	Beam	Bez tine	Trez tine	Beam	—	Crown			—	—	—	—
<i>Cervus nippon</i>	Mooney (1952)	Brow tine	Beam	—	Tres tine	Beam	—	Cornet			—	—	—	—
	Feldharmer (1980)	Brow tine		—	Tray tine		—				—	—	—	—
	Hayden <i>et al.</i> (1994)	Brow tine	Main Beam	—	Trez tine	Main beam	—				—	—	—	—
<i>Rusa</i>	Grubb (1990)	Brow tine	Beam		Front-outer tine	Back inner tine	—				—	—	—	—
<i>Rusa unicolor</i>	Leslie (2011)	Brow tine			Anterolateral tine	Posteromedial tine	—				—	—	—	—
<i>Dama dama</i>	Chapman (1975)	Brow tine	Beam		Trez tine	Beam		Spellers		Spellers	—	—	—	—
	Feldharmer <i>et al.</i> (1988)	Brow tine		(Bay tine)	Tray tine						—	—	—	—
	Lister <i>et al.</i> (2005)	Brow tine	Beam		Middle tine	Beam	Back tine				—	—	—	—
	Ciuti <i>et al.</i> (2011)	Brow tine	Beam		Trez tine	Beam	Last speller	Spellers		Spellers	—	—	—	—
	Australian Deer Society	Brow tine	Beam	Bez tine	Trez tine	Beam	Guard tine	Palmentation			—	—	—	—
<i>Elaphurus davidianus</i>	Walton & Hosey (1984)	Brow tine	Beam tine	—		—	—	—	—	—	—	—	—	—
<i>Axis</i>	Grubb (1990)	Brow tine	Beam	—	Front-outer tine	Back inner tine	—	—	—	—	—	—	—	—
<i>Rangifer tarandus</i>	Banfield (1961)	Brow tine	Beam	—	—	—	—	—	—	—	Bez tine	Beam	Posterior tine	Terminal tines
	Markusson & Folstad (1997)	Brow tine	Main Beam	—	—	—	—	—	—	—	Frontal tine	Main beam	Rear tine	
	Lefebvre <i>et al.</i> (2016)	Brow tine	Beam A	—	—	—	—	—	—	—	Bez tine	Beam A2, BeamC		
<i>Odocoileus</i>	Allen & Wallom (1984)		Beam	—	—	—	—	—	—	—		Beam	Subbasal snag	—
	Gustafson (1985)		Beam	—	—	—	—	—	—	—		Beam	Basal tine	—