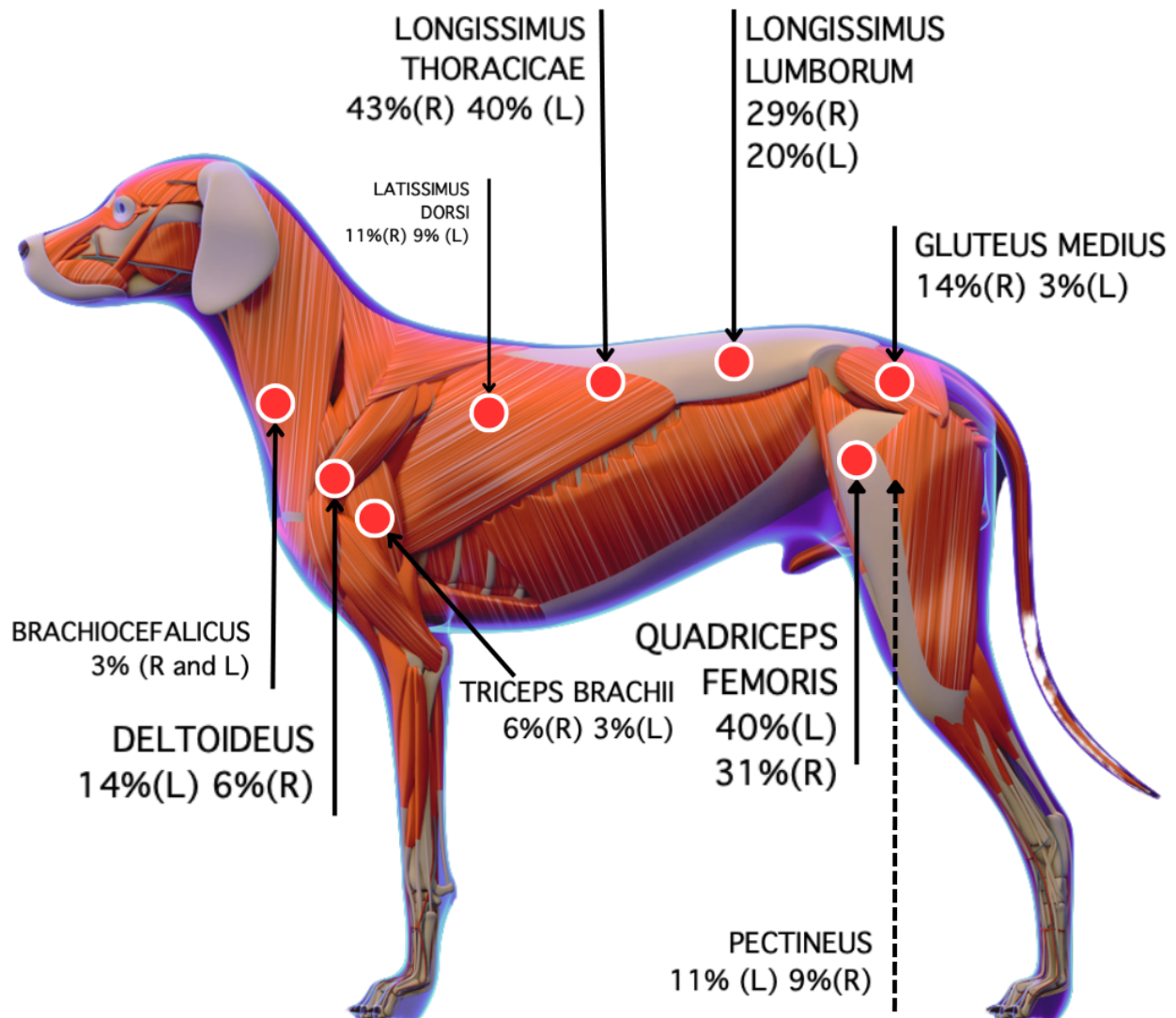


Supplementary Material

1 Supplementary Figure 1: Main TPs with an anatomical reference of its location.



2 Supplementary Tables

2.1 Supplementary Table 1: Joint and muscle considered related to it. TPs: Trigger Points.

Joint	Muscles considered associated to this joint for the research of TPs.
LEFT SHOULDER	Masseter Brachiocephalicus Sternocephalicus Trapezius pars cervicalis Pectorales superficialis Pectoralis profundus Supraspinatus Infraspinatus Trapezius pars thoracica Latissimus dorsi Longissimus thoracicae Serratus ventralis thoracis.
LEFT ELBOW	Deltoideus Brachioradialis Triceps brachii Brachialis Biceps brachii Omotransversarius
LEFT CARPUS	Extensor carpi radialis Extensor digitorum communis Extensor carpi ulnaris Flexor carpi ulnaris
RIGHT SHOULDER	Masseter Brachiocephalicus Sternocephalicus Trapezius pars cervicalis Pectorales superficialis Pectoralis profundus Supraspinatus Infraspinatus Trapezius pars thoracica Latissimus dorsi Longissimus thoracicae Serratus ventralis thoracis.
RIGHT ELBOW	Deltoideus

	Brachioradialis Triceps brachii Brachialis Biceps brachii Omotransversarius
RIGHT CARPUS	Extensor carpi radialis Extensor digitorum communis Extensor carpi ulnaris Flexor carpi ulnaris
LEFT HIP	Longissimus lumborum Gluteus superficialis Gluteus medius Pectineus Iliopsoas
LEFT STIFLE	Biceps femoris Sartorius Tensor fasciae latae Quadriceps femoris Gracilis Semitendinosus Semimembranosus
LEFT STIFLE	Peroneus longus Peroneus brevis Flexor digitorum superficialis Flexores digitorum profundi Gastrocnemius Extensor digitorum longus Tibialis cranialis Fibularis
RIGHT HIP	Longissimus lumborum Gluteus superficialis Gluteus medius Pectineus Iliopsoas
RIGHT STIFLE	Biceps femoris Sartorius Tensor fasciae latae Quadriceps femoris Gracilis Semitendinosus Semimembranosus
RIGHT TARSUS	Peroneus longus Peroneus brevis Flexor digitorum superficialis

Flexores digitorum profundus
 Gastrocnemius
 Extensor digitorum longus
 Tibialis cranialis
 Fibularis

2.2 Supplementary Table 2: Location of trigger points on each dog, considering each evaluator and side. TP: Trigger Point.

Dog	Muscle	Side	Evaluator 1	Evaluator 2
1	LONGISSIMUS LUMBORUM PART 1	RIGHT	X	
	QUADRICEPS FEMORIS 1	RIGHT	X	
	QUADRICEPS FEMORIS 2	RIGHT	X	X
	ILIOPSOAS	RIGHT	X	X
	LONGISSIMUS LUMBORUM PART 1	LEFT	X	
	DELTOIDEUS	LEFT	X	X
	QUADRICEPS FEMORIS 1	LEFT	X	X
	PECTINEUS	LEFT		X
2	LATISSIMUS DORSI 1	RIGHT	X	X
	QUADRICEPS FEMORIS 2	RIGHT	X	X
	PECTINEUS	RIGHT		X
	LATISSIMUS DORSI 1	LEFT	X	X
	QUADRICEPS FEMORIS 2	LEFT	X	X
	BICEPS FEMORIS	LEFT	X	
3	LATISSIMUS DORSI 1	RIGHT	X	
	QUADRICEPS FEMORIS 2	RIGHT	X	
	SEMITENDINOSUS	RIGHT		X
	LATISSIMUS DORSI 4	LEFT	X	
	GLUTEUS MEDIUS	LEFT	X	
4	No TP			
5	LONGISSIMUS THORACICAE PART 2	RIGHT	X	X
	LONGISSIMUS LUMBORUM PART 2	RIGHT	X	X
	LONGISSIMUS THORACICAE PART 2	LEFT	X	X
	LONGISSIMUS LUMBORUM PART 2	LEFT	X	X
	QUADRICEPS FEMORIS 1	LEFT	X	
6	LATISSIMUS DORSI 3	RIGHT	X	
	LONGISSIMUS THORACICAE PART 2	RIGHT	X	X
	LONGISSIMUS THORACICAE PART 1	RIGHT		X
	LONGISSIMUS LUMBORUM PART 2	RIGHT	X	
	GLUTEUS MEDIUS	RIGHT	X	X
	QUADRICEPS FEMORIS 2	RIGHT	X	
	EXTENSOR CARPI RADIALIS	LEFT	X	

	LATISSIMUS DORSI 2	LEFT	X	
	LONGISSIMUS THORACICAE PART 2	LEFT	X	X
	SARTORIUS	LEFT	X	
	QUADRICEPS FEMORIS 2	LEFT	X	
	GLUTEUS MEDIUS	LEFT	X	X
	LONGISSIMUS LUMBARUM PART 2	LEFT		X
7	No TP			
	DELTOIDEUS	RIGHT	X	
	LONGISSIMUS THORACICAE PART 2	RIGHT	X	
8	PECTINEUS	RIGHT	X	
	DELTOIDEUS	LEFT	X	
	LONGISSIMUS THORACICAE PART 2	LEFT	X	
	QUADRICEPS FEMORIS 2	RIGHT	X	X
9	QUADRICEPS FEMORIS 2	LEFT	X	X
	PECTINEUS	LEFT	X	
	LONGISSIMUS THORACICAE PART 1	RIGHT	X	X
	LONGISSIMUS LUMBORUM PART 1	RIGHT	X	
10	QUADRICEPS FEMORIS 2	RIGHT	X	X
	LONGISSIMUS THORACICAE PART 1	LEFT	X	X
	BICEPS FEMORIS	LEFT	X	
	PECTORALIS SUPERFICIALIS	RIGHT		X
	BICEPS FEMORIS	RIGHT	X	X
	QUADRICEPS FEMORIS 1	RIGHT	X	
11	DELTOIDEUS	RIGHT	X	
	GLUTEUS MEDIUS	LEFT	X	X
	DELTOIDEUS	LEFT		X
	QUADRICEPS FEMORIS 2	LEFT	X	
12	No TP			
	QUADRICEPS FEMORIS 1	RIGHT	X	
13	LONGISSIMUS LUMBORUM PART 1	RIGHT	X	X
	QUADRICEPS FEMORIS 2	LEFT	X	
	LONGISSIMUS LUMBORUM PART 2	RIGHT	X	X
	SARTORIUS	RIGHT	X	
14	LONGISSIMUS THORACICAE PART 2	LEFT	X	
	LONGISSIMUS LUMBORUM PART 2	LEFT	X	
	SARTORIUS	LEFT	X	X
	LONGISSIMUS LUMBORUM PART 2	RIGHT	X	X
15	QUADRICEPS FEMORIS 2	RIGHT	X	X
16	NO TP			
	LONGISSIMUS THORACICAE PART 1	RIGHT	X	X
17	LONGISSIMUS THORACICAE PART 1	LEFT	X	X
	QUADRICEPS FEMORIS 2	LEFT	X	
	LONGISSIMUS LUMBORUM PART 1	LEFT		X

18	LATISSIMUS DORSI 3	RIGHT		X
	QUADRICEPS FEMORIS 2	RIGHT	X	
	LONGISSIMUS THORACICAE PART 1	RIGHT	X	X
	SARTORIUS	RIGHT		X
	PECTINEUS	RIGHT	X	
	BICEPS FEMORALIS	RIGHT		X
	GASTROCNEMIUS	RIGHT	X	
	LONGISSIMUS THORACICAE PART 1	LEFT		X
	QUADRICEPS FEMORIS 2	LEFT	X	X
	LATISSIMUS DORSI 3	LEFT	X	
	LONGISSIMUS LUMBORUM PART 1	LEFT	X	
	PECTINEUS	LEFT	X	
19	LONGISSIMUS THORACICAE PART 1	RIGHT	X	
	LONGISSIMUS THORACICAE PART 1	LEFT	X	
20	LONGISSIMUS THORACICAE PART 1	RIGHT	X	
	LONGISSIMUS LUMBORUM PART 1	RIGHT	X	X
	QUADRICEPS FEMORIS	RIGHT	X	
	LONGISSIMUS THORACICAE PART 1	LEFT	X	X
	LONGISSIMUS LUMBORUM PART 1	LEFT	X	
21	LONGISSIMUS THORACICAE PART 1	RIGHT	X	X
	SARTORIUS	RIGHT		X
	SARTORIUS	LEFT	X	X
	LONGISSIMUS THORACICAE PART 1	LEFT	X	
	LONGISSIMUS LUMBORUM PART 1	LEFT		X
22	LONGISSIMUS THORACICAE PART 2	RIGHT	X	X
	QUADRICEPS FEMORIS 1	RIGHT	X	
	GRACILIS	RIGHT	X	
	TRAPEZIUS THORACICAE	LEFT	X	
	BRACHIOCEPHALICUS	LEFT	X	
	LONGISSIMUS THORACICAE PART 2	LEFT	X	X
	PECTINEUS	LEFT	X	
	QUADRICEPS FEMORIS 2	LEFT		X
23	QUADRICEPS FEMORIS 2	RIGHT	X	
	LONGISSIMUS THORACICAE PART 1	RIGHT	X	
	QUADRICEPS FEMORIS 2	LEFT	X	
	LONGISSIMUS THORACICAE PART 1	LEFT	X	
24	LATISSIMUS DORSI 3	RIGHT	X	
	LONGISSIMUS THORACICAE PART 1	RIGHT	X	X
	LONGISSIMUS LUMBORUM PART 1	RIGHT		X
	LATISSIMUS DORSI 1	LEFT	X	
	LONGISSIMUS THORACICAE PART 1	LEFT	X	X
	LONGISSIMUS LUMBORUM PART 1	LEFT		X

25	LONGISSIMUS LUMBORUM PART 1	LEFT	X	X
	LONGISSIMUS THORACICAE PART 2	RIGHT	X	X
	TIBIAL CRANIALIS	RIGHT	X	
26	LONGISSIMUS THORACICAE PART 2	LEFT	X	X
	DELTOIDEUS	LEFT	X	
	QUADRICEPS FEMORIS 2	LEFT		X
27	No TP			
	LONGISSIMUS THORACICAE PART 1	RIGHT	X	X
	LATISSIMUS DORSI 1	RIGHT	X	
	TRICEPS BRACHII 1	RIGHT	X	
28	QUADRICEPS FEMORIS 1	RIGHT	X	
	LONGISSIMUS THORACICAE PART 1	LEFT	X	X
	LATISSIMUS DORSI 3	LEFT	X	X
	TRICEPS BRACHII 2	LEFT	X	
29	LONGISSIMUS THORACICAE PART 2	RIGHT	X	
	LONGISSIMUS THORACICAE PART 2	LEFT	X	
	QUADRICEPS FEMORIS 2	LEFT	X	
30	LONGISSIMUS THORACICAE PART 1	RIGHT	X	
	LONGISSIMUS LUMBORUM PART 1	RIGHT	X	X
	SEMITENDINOSUS	RIGHT	X	X
	LONGISSIMUS THORACICAE PART 1	LEFT	X	
	LONGISSIMUS LUMBORUM PART 1	LEFT	X	X
	QUADRICEPS FEMORIS 2	LEFT	X	
31	TRICEPS BRACHII 1	RIGHT	X	
	LONGISSIMUS THORACICAE PART 1	RIGHT	X	X
	LATISSIMUS DORSI 1	RIGHT		X
	LONGISSIMUS LUMBORUM PART 2	RIGHT		X
	QUADRICEPS FEMORIS 1	RIGHT		X
	QUADRICEPS FEMORIS 2	LEFT	X	X
	LONGISSIMUS THORACICAE PART 1	LEFT	X	X
	TRAPEZIUS THORACICAE	LEFT		X
	LATISSIMUS DORSI 1	LEFT	X	X
32	LONGISSIMUS THORACICAE PART 2	RIGHT	X	
	QUADRICEPS FEMORIS 1	RIGHT	X	
	LONGISSIMUS THORACICAE PART 2	LEFT	X	
	GLUTEUS MEDIUS	LEFT	X	
	LONGISSIMUS LUMBORUM PART 2	LEFT		X
33	BRACHIOCEPHALICUS	RIGHT	X	
	LONGISSIMUS THORACICAE PART 1	RIGHT	X	
	LONGISSIMUS THORACICAE PART 2	RIGHT		X
	QUADRICEPS FEMORIS 2	RIGHT		X
	LONGISSIMUS LUMBORUM PART 2	RIGHT	X	X
	DELTOIDEUS	LEFT	X	

	TRAPEZIUS THORACICAE	LEFT	X	
	LONGISSIMUS THORACICAE PART 1	LEFT	X	X
	LONGISSIMUS LUMBARUM PART 2	LEFT	X	X
34	LONGISSIMUS THORACICAE PART 1	RIGHT	X	X
	LONGISSIMUS LUMBORUM PART 1	RIGHT	X	X
	LONGISSIMUS LUMBORUM PART 2	RIGHT	X	X
	LATISSIMUS DORSI 4	RIGHT	X	X
	TRAPEZIUS THORACICAE	LEFT		X
	LONGISSIMUS THORACICAE PART 1	LEFT	X	
	LONGISSIMUS LUMBORUM PART 1	LEFT		X
	LONGISSIMUS LUMBORUM PART 2	LEFT	X	X
	LATISSIMUS DORSI 2	LEFT	X	X
	QUADRICEPS FEMORIS 2	RIGHT	X	
35	LONGISSIMUS THORACICAE PART 1	RIGHT	X	X
	LONGISSIMUS THORACICAE PART 2	RIGHT		X
	LONGISSIMUS LUMBORUM PART 2	RIGHT	X	X
	LONGISSIMUS LUMBORUM PART 1	LEFT	X	X
	LONGISSIMUS LUMBORUM PART 2	LEFT		X
	LONGISSIMUS THORACICAE PART 1	LEFT	X	
	LONGISSIMUS THORACICAE PART 2	LEFT	X	
	GLUTEUS MEDIUS	LEFT	X	
	QUADRICEPS FEMORIS 2	LEFT	X	

2.3 Supplementary Table 3: Relation between affected joints and the number of TPs (177 in total) in the muscles related by proximity. TP: Trigger Points. OA: Osteoarthritis.

Joint	Number affected joints in the 35 dogs	Muscles considered associated to this joint for the research of TPs	Joint Affected by OA	Joint Free of OA
			Number of tps in these muscles	Number of tps in these muscles
LEFT SHOULDER	1	MASSETER	0	0
		BRACHIOCEPHALICUS	1	0
		STERNOCEPHALICUS	0	0
		TRAPEZIUS PARS	0	0
		CERVICALIS		
		PECTORALES		
		SUPERFICIALIS	0	0
		PECTORALIS		
		PROFUNDUS	0	0
		SUPRASPINATUS	0	0

		INFRASPINATUS	0	0
		TRAPEZIUS PARS		
		THORACICA	1	3
		LATISSIMUS DORSI	0	8
		LONGISSIMUS		
		THORACICAE	1	22
		SERRATUS VENTRALIS		
		THORACIS.	0	0
LEFT ELBOW	9	DELTOIDEUS	0	5
		BRACHIORADIALIS	0	0
		TRICEPS BRACHII	1	0
		BRACHIALIS	0	0
		BICEPS BRACHII	0	0
		OMOTRANSVERSARIUS	0	0
LEFT CARPUS	0	EXTENSOR CARPI		
		RADIALIS	1	0
		EXTENSOR DIGITORUM		
		COMMUNIS	0	0
		EXTENSOR CARPI		
		ULNARIS	0	0
		FLEXOR CARPI ULNARIS	0	0
RIGHT SHOULDER	0	MASSETER	0	0
		BRACHIOCEPHALICUS	0	1
		STERNOCEPHALICUS	0	0
		TRAPEZIUS PARS		0
		CERVICALIS	0	
		PECTORALES		
		SUPERFICIALIS	0	1
		PECTORALIS		
		PROFUNDUS	0	0
		SUPRASPINATUS	0	0
		INFRASPINATUS	0	0
		TRAPEZIUS PARS		
		THORACICA	0	0
		LATISSIMUS DORSI	0	8
		LONGISSIMUS		
		THORACICAE	0	24
		SERRATUS VENTRALIS		
		THORACIS.	0	0
RIGHT ELBOW	6	DELTOIDEUS	0	2
		BRACHIORADIALIS	0	0
		TRICEPS BRACHII	1	1
		BRACHIALIS	0	0
		BICEPS BRACHII	0	0
		OMOTRANSVERSARIUS	0	0
RIGHT	0	EXTENSOR CARPI	0	0

CARPUS		RADIALIS		
		EXTENSOR DIGITORUM COMMUNIS	0	0
		EXTENSOR CARPI ULNARIS	0	0
		FLEXOR CARPI ULNARIS	0	0
LEFT HIP	12	LONGISSIMUS LUMBORUM	5	12
		GLUTEUS SUPERFICIALIS	0	0
		GLUTEUS MEDIUS	3	2
		PECTINEUS	1	3
		ILIOPSOAS	0	0
		BICEPS FEMORIS	0	2
		SARTORIUS	0	3
LEFT STIFLE	14	TENSOR FASCIAE LATAE	0	0
		QUADRICEPS FEMORIS	7	9
		GRACILIS	0	0
		SEMITENDINOSUS	0	0
		SEMIMEMBRANOSUS	0	0
		PERONEUS LONGUS	0	0
		PERONEUS BREVIS	0	0
LEFT TARSUS	1	FLEXOR DIGITORUM SUPERFICIALIS	0	0
		FLEXORES DIGITORUM PROFUNDI	0	0
		GASTROCNEMIUS	0	0
		EXTENSOR DIGITORUM LONGUS	0	0
		TIBIALIS CRANIALIS	0	0
		FIBULARIS	0	0
		LONGISSIMUS LUMBORUM	2	13
		GLUTEUS SUPERFICIALIS	0	0
		GLUTEUS MEDIUS	0	1
RIGHT HIP	12	PECTINEUS	2	1
		ILIOPSOAS	0	1
		BICEPS FEMORIS	1	1
		SARTORIUS	0	3
		TENSOR FASCIAE LATAE	0	0
		QUADRICEPS FEMORIS	11	8
		GRACILIS	0	1
RIGHT STIFLE	15	SEMITENDINOSUS	0	2

RIGHT TARSUS	0	SEMIMEMBRANOSUS	0	0
		PERONEUS LONGUS	0	0
		PERONEUS BREVIS	0	0
		FLEXOR DIGITORUM SUPERFICIALIS	0	0
		FLEXORES DIGITORUM PROFUNDI	0	0
		GASTROCNEMIUS	0	1
		EXTENSOR DIGITORUM LONGUS	0	0
		TIBIALIS CRANIALIS	0	1
		FIBULARIS	0	0