

# Tooth Subsets

Current VOHC tooth set is shown →

Correlation Coefficient Data Requested from three companies



Tooth Set	Number of teeth scored	Upper					Lower			
		I3	C	PM3	PM4	M1	M1	PM4	PM3	C
<b>VOHC Set BILATERAL</b>	18	X	X	X	X	X	X	X	X	X
VOHC Subset BILATERAL dog set 1	16		X	X	X	X	X	X	X	X
VOHC Subset BILATERAL dog set 2	12		X		X	X	X	X		X
VOHC Subset BILATERAL dog set 3	10		X		X	X	X			X
VOHC Subset BILATERAL dog set 5	8		X		X		X			X
VOHC Subset BILATERAL dog set 6	4		X		X					
VOHC Subset UNILATERAL dog set 1	8		X	X	X	X	X	X	X	X
VOHC Subset UNILATERAL dog set 2	6		X		X	X	X	X		X
VOHC Subset UNILATERAL dog set 3	5		X		X	X	X			X
VOHC Subset UNILATERAL dog set 5	4		X		X		X			X

# Tooth Sets – Correlation Coefficient - $r_i$

Tooth Set	# Teeth	Dog - Plaque				Dog - Tartar						
		Company A			Company C	Company A			Company B			
		Trial 1	Trial 2	Trial 3	Trial 1	Trial 1	Trial 2	Trial 3	Trial 1	Trial 2	Trial 3	
Full Bilat VOHC Set	18											
Subset Bilateral 1	16	1.00	1.00	1.00	0.96	1.00	1.00	0.99	0.99	0.99	0.98	
Subset Bilateral 2	12	0.99	0.97	0.97	0.97	0.99	0.99	0.99	0.95	0.95	0.93	
Subset Bilateral 3	10	0.97	0.95	0.95		0.99	0.99	0.97	0.96	0.98	0.95	
Subset Bilateral 4	10				0.94							
Subset Bilateral 5	8	0.96	0.89	0.91	0.60	0.97	0.97	0.94	0.92	0.92	0.91	
Subset Bilateral 6	4	0.94	0.84	0.58	0.65	0.94	0.94	0.90	0.69	0.69	0.57	
Subset Unilateral 1	8	0.97	0.92	0.93	0.84	0.96	0.96	0.97	0.95	0.94	0.95	
Subset Unilateral 2	6	0.96	0.91	0.89	0.86	0.96	0.96	0.96	0.91	0.90	0.86	
Subset Unilateral 3	5	0.94	0.92	0.86	0.84	0.96	0.96	0.93	0.91	0.93	0.90	
Subset Unilateral 5	4	0.93	0.85	0.82	0.56	0.94	0.94	0.89	0.83	0.91	0.82	

An  $r_i$  of  $>0.9$  is considered highly significant. The participants in the Malaga session agreed that  $r_i$  of  $\geq 0.9$  would be acceptable in determining usable tooth subsets.

For unilateral sets, only the lowest correlation coefficient (of R or L) is shown above.

## Statistically Acceptable Tooth Sets

Tooth Set	Number of teeth scored	Upper					Lower			
		I3	C	PM3	PM4	M1	M1	PM4	PM3	C
VOHC Subset BILATERAL dog set 2	12		X		X	X	X	X		X
VOHC Subset UNILATERAL dog set 1	8		X	X	X	X	X	X	X	X

