

**Porcine circovirus type 2 (PCV2) evolution before and after the vaccination introduction. A large scale epidemiological study.**

Giovanni Franzo<sup>\*#1</sup>, Claudia Maria Tucciarone<sup>#1</sup>, Mattia Cecchinato<sup>1</sup> and Michele Drigo<sup>1</sup>.

<sup>1</sup>University of Padua, Legnaro (PD), Italy;

	<b>Pcv2a</b>		<b>Total</b>
<b>Area</b>	Pre-Vaccination	Post-Vaccination	
<b>Africa</b>	1		<b>1</b>
<b>Asia</b>	33	48	<b>81</b>
<b>Europe</b>	26	14	<b>40</b>
<b>North America</b>	46	78	<b>124</b>
<b>Oceania</b>	7		<b>7</b>
<b>South America</b>		5	<b>5</b>
<b>Total</b>	<b>113</b>	<b>145</b>	<b>258</b>

  

	<b>Pcv2b</b>		<b>Total</b>
<b>Area</b>	Pre-Vaccination	Post-Vaccination	
<b>Asia</b>	50	36	<b>86</b>
<b>Europe</b>	77	44	<b>121</b>
<b>North America</b>	22	3	<b>25</b>
<b>Oceania</b>		1	<b>1</b>
<b>South America</b>	14		<b>14</b>
<b>Total</b>	<b>163</b>	<b>84</b>	<b>247</b>

  

	<b>PCV2a-PCV2b-PCV2d</b>		
<b>Area</b>	Wildboar	Domestic	<b>Total</b>
<b>Asia</b>	19	75	<b>94</b>
<b>Europe</b>	100	45	<b>145</b>
<b>North America</b>		4	<b>4</b>
<b>Oceania</b>		1	<b>1</b>
<b>South America</b>	8	2	<b>10</b>
<b>Total</b>	<b>127</b>	<b>127</b>	<b>254</b>

Supplementary table 2. Count of strain geographic origin grouped in database 1-2 (i.e. PCV2a before and after vaccination introduction) (a), 3-4 (i.e. PCV2b before and after vaccination introduction) (b) and 5-6 (PCV2 strains detected in domestic pigs and wild boars)