Supplementary information 7 – Polygon details and processing time for each continental tile and species.

Tile	Species	Total polygons	Polygons with no data	Polygons with 0 values*	Processing time in hours**
Africa	Cattle	7,658	836	922	98
	Chickens	6,760	300	28	57
	Pigs	7,992	308	2,253	30
	Ducks	n.a.	n.a.	n.a.	n.a.
Asia	Cattle	19,506	258	1,342	210
	Chickens	23,870	253	746	136
	Pigs	17,802	1,124	838	184
	Ducks	23,887	300	1,223	173
Europe	Cattle	13,857	91	1,391	48
	Chickens	9,741	34	3,499	25
	Pigs	9,981	149	3,290	25
	Ducks	636	128	7	17
North America	Cattle	6,902	173	37	114
	Chickens	6,827	475	258	144
	Pigs	6,839	658	270	139
	Ducks	6,308	867	2,111	54
Oceania	Cattle	1,744	51	26	27
	Chickens	1,747	128	--	46
	Pigs	275	51	9	18
	Ducks	1,760	50	154	25
South America	Cattle	7,217	145	81	71
	Chickens	6,914	591	--	128
	Pigs	7,217	133	148	64
	Ducks	n.a.	n.a.	n.a.	n.a.

* In the chicken model, polygons with 0 value are treated as no data in the training data file, on the assumption that at least some chickens are present in every polygon; zero values are more likely to be data gaps than reliable reports. **Models were run on 4 dedicated DELL machines with installed 64-bit Microsoft Windows Vista™ OS – 8 GB of RAM – and Intel(R) Core(TM)2 QUAD CPU.