ONCFS-ANTAGENE - Session 2018-S1 S2

Population	N° Antagene	Ref ONCFS	N° Loup (base finale)	Type prélèvement	Tri	Espèce (mtDNA)	Mitotype (Pilot 2010)	IQ	Sexe	Hybridation	Proba_Loup	CI95_bott	CI95_up	00-Clu-Amelo-A	00-Clu-Amelo-B	01-AHT103	02-AHT111	03-AHTk211	04-FH2096
S1-2018_Pass17	543658	F0414044	S49-4	F	0-Contaminé	Canis lupus	italo-alpine (w22)	0,307	XX	#NA	#NA	#NA	#NA	901901	000000	098098	106106	084084	092092
S1-2018_Urgences	551753	F1217009	#N/A	F	0-Non Canis	Vulpes vulpes	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA
S1-2018_Urgences	551755	F1217012	#N/A	F	0-Non Canis	Vulpes vulpes	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA
S1-2018_Urgences	551769	F4317001	#N/A	F	0-Non Canis	Vulpes vulpes	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA
S1-2018_Urgences	551770	F6317001	#N/A	F	0-Non Canis	Vulpes vulpes	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA
S1-2018_Urgences	551774	P0105004	#N/A	P	0-Non Canis	Vulpes vulpes	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA
S1-2018_Urgences	551779	U3816007	#N/A	U	0-Non Canis	Vulpes vulpes	#NA	0,521	--	#NA	#NA	#NA	#NA	000000	000000	094098	106118	000000	092092
S1-2018_Pass17	543648	F0413128	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,375	XX	#NA	#NA	#NA	#NA	901901	901901	096098	100106	084084	092092
S1-2018_Pass17	543657	F0414041	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,323	--	#NA	#NA	#NA	#NA	000000	000000	098098	100100	084084	096096
S1-2018_Pass17	543659	F0414049	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,135	--	#NA	#NA	#NA	#NA	000000	000000	098098	106106	084084	092092
S1-2018_Pass17	543693	F0515014	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,370	--	#NA	#NA	#NA	#NA	000000	000000	098098	100100	084084	092092
S1-2018_Pass17	543726	F1314005	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,250	--	#NA	#NA	#NA	#NA	000000	000000	098098	100102	086086	092096
S1-2018_Pass17	543748	F3814020	#N/A	F	1-IQ < 0,5	Vulpes vulpes	#NA	0,234	XX	#NA	#NA	#NA	#NA	000000	901901	096096	106110	096098	000000
S1-2018_Pass17	543759	F3815041	#N/A	F	1-IQ < 0,5	#NA	#NA	0,224	--	#NA	#NA	#NA	#NA	000000	000000	098098	100106	084084	092092
S1-2018_Pass17	543760	F3816001	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,417	XX	#NA	#NA	#NA	#NA	000000	901901	098098	100106	088088	092092
S1-2018_Pass17	543771	F4815017	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,172	XY	#NA	#NA	#NA	#NA	000000	901902	098098	100100	084084	092092
S1-2018_Pass17	543784	F7314036	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,130	--	#NA	#NA	#NA	#NA	000000	000000	000000	100100	084084	000000
S1-2018_Pass17	543786	F7314049	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,469	XX	#NA	#NA	#NA	#NA	901901	901901	098098	100106	084084	092096
S1-2018_Pass17	543787	F7314050	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,469	XX	#NA	#NA	#NA	#NA	000000	901901	098098	100100	084084	092096
S1-2018_Pass17	543803	F8314028	#N/A	F	1-IQ < 0,5	Canis sp	#NA	0,250	--	#NA	#NA	#NA	#NA	000000	000000	098098	100100	084084	092092
S1-2018_Pass17	543806	F8415001	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,234	--	#NA	#NA	#NA	#NA	000000	000000	098098	100100	084084	092092
S1-2018_Pass17	543815	1201078	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,031	--	#NA	#NA	#NA	#NA	000000	000000	098098	100100	084084	000000
S1-2018_Pass17	543817	1202123	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,219	--	#NA	#NA	#NA	#NA	000000	000000	098098	100106	084084	092096
S1-2018_Pass17	543819	1210236	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,214	--	#NA	#NA	#NA	#NA	000000	000000	098098	100100	084084	000000
S1-2018_Pass17	543829	1307138	#N/A	F	1-IQ < 0,5	#NA	#NA	0,208	--	#NA	#NA	#NA	#NA	000000	000000	098098	106106	084084	092092
S1-2018_Urgences	546549	2017069A	#N/A	P	1-IQ < 0,5	#NA	#NA	0,000	--	#NA	#NA	#NA	#NA	000000	000000	000000	000000	000000	000000
S1-2018_Pass18	551494	D0513002	#N/A	D	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,406	XX	#NA	#NA	#NA	#NA	000000	901901	098098	100102	084086	092096
S1-2018_Pass18	551505	D8316001	#N/A	D	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,333	--	#NA	#NA	#NA	#NA	000000	000000	098098	100106	084084	092096
S1-2018_Pass18	551510	1004102	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,359	XX	#NA	#NA	#NA	#NA	000000	901901	098098	100100	000000	092092
S1-2018_Pass18	551513	1011200	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,453	XX	#NA	#NA	#NA	#NA	000000	901901	098098	100106	000000	092096
S1-2018_Pass18	551521	1106180	#N/A	F	1-IQ < 0,5	#NA	#NA	0,177	--	#NA	#NA	#NA	#NA	000000	000000	098098	100100	084084	092096
S1-2018_Pass18	551526	1201005	#N/A	F	1-IQ < 0,5	Canis sp	#NA	0,354	--	#NA	#NA	#NA	#NA	000000	000000	098098	100100	084084	092096
S1-2018_Pass18	551527	1201025	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,198	--	#NA	#NA	#NA	#NA	000000	000000	098100	100102	084088	092096
S1-2018_Pass18	551541	2802032	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,156	XX	#NA	#NA	#NA	#NA	000000	901901	098098	100106	084084	000000
S1-2018_Pass18	551542	2802040	#N/A	F	1-IQ < 0,5	Canis sp	#NA	0,052	--	#NA	#NA	#NA	#NA	000000	000000	098098	000000	000000	000000
S1-2018_Pass18	551553	2902031	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,297	--	#NA	#NA	#NA	#NA	000000	000000	098098	100100	084084	092096
S1-2018_Pass18	551556	2903080	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,359	--	#NA	#NA	#NA	#NA	000000	000000	098098	100106	000000	092096
S1-2018_Pass18	551557	2903081	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,328	--	#NA	#NA	#NA	#NA	000000	000000	098098	100106	086086	092096
S1-2018_Pass18	551559	2905108	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,453	XY	#NA	#NA	#NA	#NA	000000	901902	098098	100100	084084	092096
S1-2018_Pass18	551560	2905114	#N/A	F	1-IQ < 0,5	#NA	#NA	0,260	--	#NA	#NA	#NA	#NA	000000	000000	098098	100106	084084	092096
S1-2018_Pass18	551563	F0404022	#N/A	F	1-IQ < 0,5	#NA	#NA	0,052	--	#NA	#NA	#NA	#NA	000000	000000	098098	000000	000000	096096
S1-2018_Pass18	551574	F0409008	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,323	--	#NA	#NA	#NA	#NA	000000	000000	098098	106110	084084	092092
S1-2018_Pass18	551575	F0409016	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,370	--	#NA	#NA	#NA	#NA	000000	000000	098098	100100	084084	000000
S1-2018_Pass18	551577	F0409066	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,245	--	#NA	#NA	#NA	#NA	000000	000000	098098	100106	084084	092092
S1-2018_Pass18	551579	F0409087	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,172	--	#NA	#NA	#NA	#NA	000000	000000	098098	000000	084084	092100
S1-2018_Pass18	551580	F0409090	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,276	--	#NA	#NA	#NA	#NA	000000	000000	098098	000000	000000	000000
S1-2018_Pass18	551583	F0410041	#N/A	F	1-IQ < 0,5	#NA	#NA	0,297	XY	#NA	#NA	#NA	#NA	000000	901902	098098	100106	000000	092092
S1-2018_Pass18	551587	F0410085	#N/A	F	1-IQ < 0,5	#NA	#NA	0,010	--	#NA	#NA	#NA	#NA	000000	000000	000000	000000	000000	000000
S1-2018_Pass18	551594	F0411061	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,089	--	#NA	#NA	#NA	#NA	000000	000000	000000	100106	000000	000000
S1-2018_Pass18	551596	F0411084	#N/A	F	1-IQ < 0,5	Canis sp	#NA	0,359	XY	#NA	#NA	#NA	#NA	000000	901902	000000	000000	083084	092096
S1-2018_Pass18	551603	F0412115	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,417	XX	#NA	#NA	#NA	#NA	000000	901901	098098	106106	084084	000000
S1-2018_Pass18	551608	F0413027	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,401	XX	#NA	#NA	#NA	#NA	000000	901901	098098	106106	084084	092092
S1-2018_Pass18	551612	F0413064	#N/A	F	1-IQ < 0,5	#NA	#NA	0,490	XX	#NA	#NA	#NA	#NA	000000	901901	098098	106106	000000	092092
S1-2018_Pass18	551615	F0414054	#N/A	F	1-IQ < 0,5	#NA	#NA	0,198	--	#NA	#NA	#NA	#NA	000000	000000	098098	100106	084084	000000
S2-2018_Pass18	551629	F0508064	#N/A	F	1-IQ < 0,5	#NA	#NA	0,115	--	#NA	#NA	#NA	#NA	000000	000000	098098	000000	084084	092092
S2-2018_Pass18	551632	F0508102	#N/A	F	1-IQ < 0,5	Canis sp	#NA	0,203	--	#NA	#NA	#NA	#NA	000000	000000	000000	100100	000000	092092
S2-2018_Pass18	551633	F0510014	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,484	XY	#NA	#NA	#NA	#NA	901902	901902	098098	106106	084084	092092
S2-2018_Pass18	551638	F0511026	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,292	--	#NA	#NA	#NA	#NA	000000	000000	098098	100106	084084	092092
S2-2018_Pass18	551640	F0511055	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,354	--	#NA	#NA	#NA	#NA	000000	000000	098098	100102	084084	092092
S2-2018_Pass18	551644	F0512053	#N/A	F	1-IQ < 0,5	#NA	#NA	0,000	--	#NA	#NA	#NA	#NA	000000	000000	000000	000000	000000	000000

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Population	N° Antagene	Ref ONCFS	N° Loup (base finale)	Type prélèvement	Tri	Espèce (mtDNA)	Mitotype (Pilot 2010)	IQ	Sexe	Hybridation	Proba_Loup	CI95_bott	CI95_up	00-Clu-Amelo-A	00-Clu-Amelo-B	01-AHT103	02-AHT111	03-AHTk211	04-FH2096
S2-2018_Pass18	551649	F0515027	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,167	XX	#NA	#NA	#NA	#NA	000000	901901	098098	100102	084086	096100
S2-2018_Pass18	551650	F0607004	#N/A	F	1-IQ < 0,5	#NA	#NA	0,286	XY	#NA	#NA	#NA	#NA	000000	902902	098098	100106	084084	096096
S2-2018_Pass18	551653	F0616010	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,333	XX	#NA	#NA	#NA	#NA	901901	000000	098098	100106	000000	092096
S2-2018_Pass18	551655	F1216003	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,052	--	#NA	#NA	#NA	#NA	000000	000000	000000	100100	000000	092092
S2-2018_Pass18	551656	F1216008	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,448	--	#NA	#NA	#NA	#NA	000000	000000	098098	100106	084084	092096
S2-2018_Pass18	551659	F1316009	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,182	--	#NA	#NA	#NA	#NA	000000	000000	000000	102106	000000	096096
S2-2018_Pass18	551660	F1316010	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,307	XX	#NA	#NA	#NA	#NA	000000	901901	098098	102106	084084	096096
S2-2018_Pass18	551664	F2609029	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,380	XX	#NA	#NA	#NA	#NA	000000	901901	098098	100106	084084	092092
S2-2018_Pass18	551667	F2611065	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,083	--	#NA	#NA	#NA	#NA	000000	000000	000000	100100	000000	092092
S2-2018_Pass18	551672	F2612024	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,443	XX	#NA	#NA	#NA	#NA	901901	901901	098098	100100	084084	092096
S2-2018_Pass18	551674	F2613009	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,380	--	#NA	#NA	#NA	#NA	000000	000000	098098	100100	084084	092092
S2-2018_Pass18	551677	F2614014	#N/A	F	1-IQ < 0,5	#NA	#NA	0,089	--	#NA	#NA	#NA	#NA	000000	000000	098100	100106	000000	092092
S2-2018_Pass18	551678	F2615009	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,427	XX	#NA	#NA	#NA	#NA	901901	000000	098098	100106	000000	096096
S2-2018_Pass18	551679	F3807014	#N/A	F	1-IQ < 0,5	#NA	#NA	0,219	--	#NA	#NA	#NA	#NA	000000	000000	000000	000000	084084	092092
S2-2018_Pass18	551680	F3807020	#N/A	F	1-IQ < 0,5	#NA	#NA	0,380	--	#NA	#NA	#NA	#NA	000000	000000	098098	100106	084084	092096
S2-2018_Pass18	551681	F3810018	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,031	--	#NA	#NA	#NA	#NA	000000	000000	098098	000000	084084	000000
S2-2018_Pass18	551682	F3811018	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,365	--	#NA	#NA	#NA	#NA	000000	000000	000000	100100	084084	092092
S2-2018_Pass18	551683	F3811034	#N/A	F	1-IQ < 0,5	#NA	#NA	0,094	--	#NA	#NA	#NA	#NA	000000	000000	000000	100106	000000	000000
S2-2018_Pass18	551687	F3816033	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,000	--	#NA	#NA	#NA	#NA	000000	000000	000000	000000	000000	000000
S2-2018_Pass18	551688	F3816060	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,031	--	#NA	#NA	#NA	#NA	000000	000000	098098	000000	000000	092092
S2-2018_Pass18	551691	F4812010	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,042	--	#NA	#NA	#NA	#NA	000000	000000	098098	000000	084084	000000
S2-2018_Pass18	551693	F6812004	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,448	XY	#NA	#NA	#NA	#NA	000000	901902	098098	106106	084084	092096
S2-2018_Pass18	551700	F7312017	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,208	--	#NA	#NA	#NA	#NA	000000	000000	098098	100106	084084	096096
S2-2018_Pass18	551702	F7313001	#N/A	F	1-IQ < 0,5	#NA	#NA	0,000	--	#NA	#NA	#NA	#NA	000000	000000	000000	000000	000000	000000
S2-2018_Pass18	551707	F7313064	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,354	XX	#NA	#NA	#NA	#NA	000000	901901	098098	100100	084084	092092
S2-2018_Pass18	551726	F8310010	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,411	--	#NA	#NA	#NA	#NA	000000	000000	098098	100106	084084	096096
S2-2018_Pass18	551731	F8313029	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,255	XX	#NA	#NA	#NA	#NA	901901	000000	098098	100106	084084	092096
S2-2018_Pass18	551736	F8316021	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,344	XX	#NA	#NA	#NA	#NA	901901	000000	098098	100106	084084	096096
S2-2018_Pass18	551739	F8316041	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,031	--	#NA	#NA	#NA	#NA	000000	000000	098098	000000	000000	000000
S2-2018_Pass18	551743	F8416008	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,474	XY	#NA	#NA	#NA	#NA	000000	902902	098098	100100	000000	092096
S2-2018_Pass18	551746	FIT00110981	#N/A	F	1-IQ < 0,5	#NA	#NA	0,073	XX	#NA	#NA	#NA	#NA	000000	901901	100100	000000	000000	000000
S2-2018_Pass18	551748	FIT00109093	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,380	--	#NA	#NA	#NA	#NA	000000	000000	098098	106106	084084	000000
S1-2018_Urgences	551752	F1217008	#N/A	F	1-IQ < 0,5	#NA	#NA	0,042	--	#NA	#NA	#NA	#NA	000000	000000	094094	000000	000000	000000
S1-2018_Urgences	551754	F1217011	#N/A	F	1-IQ < 0,5	Canis familiaris	#NA	0,188	--	#NA	#NA	#NA	#NA	000000	000000	000000	104108	000000	092092
S1-2018_Urgences	551756	F1517001	#N/A	F	1-IQ < 0,5	#NA	#NA	0,010	--	#NA	#NA	#NA	#NA	000000	000000	000000	000000	000000	092092
S1-2018_Urgences	551757	F2617019	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,010	--	#NA	#NA	#NA	#NA	000000	000000	000000	102106	000000	000000
S1-2018_Urgences	551758	F2617020	#N/A	F	1-IQ < 0,5	#NA	#NA	0,057	--	#NA	#NA	#NA	#NA	000000	000000	000000	000000	084094	000000
S1-2018_Urgences	551760	F2617026	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,219	--	#NA	#NA	#NA	#NA	000000	000000	098098	100100	084084	000000
S1-2018_Urgences	551761	F2617028	#N/A	F	1-IQ < 0,5	Vulpes vulpes	#NA	0,135	--	#NA	#NA	#NA	#NA	000000	000000	100102	114114	094100	000000
S1-2018_Urgences	551763	F3816024	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,276	--	#NA	#NA	#NA	#NA	000000	000000	098100	100100	083084	092092
S1-2018_Urgences	551765	F3817022	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,099	--	#NA	#NA	#NA	#NA	000000	000000	098098	106106	084084	092096
S1-2018_Urgences	551773	F7317057	#N/A	F	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,099	--	#NA	#NA	#NA	#NA	000000	000000	000000	000000	084084	000000
S1-2018_Urgences	551776	P8816003	#N/A	P	1-IQ < 0,5	#NA	#NA	0,073	XX	#NA	#NA	#NA	#NA	901901	901901	100100	000000	000000	000000
S1-2018_Urgences	551778	U2616003	#N/A	U	1-IQ < 0,5	Canis lupus	italo-alpine (w22)	0,349	XY	#NA	#NA	#NA	#NA	000000	901902	098100	106106	084084	092096
S2-2018_Pass18	551657	F1315032	CH53-01	F	2-Chien	Canis sp	#NA	0,766	XX	Chien	0,003	0,000	0,038	901901	901901	100102	104104	088090	096096
S1-2018_Urgences	551751	F1217007	CH53-03	F	2-Chien	Canis familiaris	#NA	1,000	XX	Chien	0,003	0,000	0,033	901901	901901	098104	104108	088088	100100
S1-2018_Urgences	551775	P1117001	CH53-02	P	2-Chien	Canis familiaris	#NA	0,917	XX	Chien	0,009	0,000	0,108	901901	901901	100100	104108	084086	096100
S1-2018_Urgences	551777	S4317001	CH53-04	S	2-Chien	Canis familiaris	#NA	1,000	XY	Chien	0,003	0,000	0,038	901902	901902	102102	106106	088092	100100
S1-2018_Pass17	543640	F0413011	S37-2	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,505	XY	#NA	#NA	#NA	#NA	901902	901902	098098	100106	084084	092096
S1-2018_Pass17	543653	F0414029	S47-8	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,729	XY	Loup	0,998	0,978	1,000	000000	901902	098098	106106	084084	092096
S1-2018_Pass17	543655	F0414039	S49-1	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,802	XX	Loup	0,998	0,980	1,000	901901	901901	098098	106106	086086	092092
S1-2018_Pass17	543656	F0414040	S49-2	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XY	Loup	0,997	0,965	1,000	901902	901902	098098	100106	084084	092092
S1-2018_Pass17	543660	F0414057	S48-13	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,807	XY	Loup	0,979	0,885	1,000	901902	901902	098098	100106	084084	092096
S1-2018_Pass17	543661	F0414059	S48-14	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,943	XY	Loup	0,998	0,978	1,000	901902	901902	098098	100100	084084	092096
S1-2018_Pass17	543662	F0414065	S48-15	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,865	XX	Loup	0,998	0,981	1,000	901901	901901	098098	106106	084084	092092
S1-2018_Pass17	543664	F0414083	S48-16	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,589	--	#NA	#NA	#NA	#NA	000000	000000	098098	100100	086086	096100
S1-2018_Pass17	543665	F0414084	S48-17	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,771	XY	Loup	0,998	0,971	1,000	901902	901902	098098	100106	084084	096096
S1-2018_Pass17	543666	F0414085	S40-3	F	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,981	1,000	901902	901902	098098	100100	084084	092096
S1-2018_Pass17	543669	F0415002	S46-10	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,573	--	#NA	#NA	#NA	#NA	000000	000000	098098	106106	000000	092096
S1-2018_Pass17	543670	F0415011	S46-1	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XX	Loup	0,997	0,963	1,000	901901	901901	098098	100106	084084	092092

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Population	N° Antagene	Ref ONCFS	N° Loup (base finale)	Type prélèvement	Tri	Espèce (mtDNA)	Mitotype (Pilot 2010)	IQ	Sexe	Hybridation	Proba_Loup	CI95_bott	CI95_up	00-Clu-Amelo-A	00-Clu-Amelo-B	01-AHT103	02-AHT111	03-AHTk211	04-FH2096
S1-2018_Pass17	543671	F0415014	S46-2	F	3-Exploitable	Canis sp	#NA	0,745	XX	Loup	0,978	0,817	1,000	000000	901901	098098	100102	086086	100100
S1-2018_Pass17	543676	D0515003	S45-2	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XX	Loup	0,998	0,974	1,000	901901	901901	098098	100102	084084	092092
S1-2018_Pass17	543687	F0514024	S48-7	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XY	Loup	0,998	0,980	1,000	901902	901902	098098	100100	084084	092096
S1-2018_Pass17	543688	F0514025	S45-1	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,604	--	#NA	#NA	#NA	#NA	000000	000000	098098	106106	086086	092096
S1-2018_Pass17	543689	F0514028	S21-1	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,797	XX	Loup	0,965	0,853	1,000	901901	901901	098098	106106	084084	092100
S1-2018_Pass17	543690	F0515009	S48-9	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,740	XY	Loup	0,899	0,722	1,000	901902	901902	098098	100106	083084	092096
S1-2018_Pass17	543691	F0515010	S45-3	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XX	Loup	0,998	0,981	1,000	901901	901901	098098	100106	084084	092092
S1-2018_Pass17	543692	F0515011	S45-4	F	3-Exploitable	Canis sp	#NA	0,948	XX	Loup	0,998	0,979	1,000	901901	901901	098098	100106	084084	092096
S1-2018_Pass17	543694	F0515025	S46-3	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,698	XX	Loup	0,951	0,798	1,000	000000	901901	098098	106106	084084	092100
S1-2018_Pass17	543696	F0515032	S48-11	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,979	XX	Loup	0,998	0,974	1,000	901901	901901	098098	100102	084084	092096
S1-2018_Pass17	543697	F0515033	S45-6	F	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,981	1,000	901902	901902	098098	106106	084084	092092
S1-2018_Pass17	543698	F0515044	S46-6	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,839	XY	Loup	0,995	0,939	1,000	000000	901902	098098	100100	084086	092096
S1-2018_Pass17	543699	D0614003	S45-7	D	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XX	Loup	0,998	0,979	1,000	901901	901901	098098	100100	084084	092096
S1-2018_Pass17	543700	D0614005	S45-8	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,979	1,000	901902	901902	098098	100106	084084	092092
S1-2018_Pass17	543702	D0614007	S45-9	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,978	1,000	901902	901902	098098	100100	084084	096096
S1-2018_Pass17	543703	D0615001	S49-5	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,980	1,000	901902	901902	098098	100100	084084	092092
S1-2018_Pass17	543704	D0615002	S49-6	D	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XY	Loup	0,998	0,978	1,000	901902	901902	098098	100106	084084	092092
S1-2018_Pass17	543705	D0615003	S49-7	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,975	1,000	901902	901902	098098	100106	086086	092096
S1-2018_Pass17	543706	D0615004	S49-8	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,997	0,963	1,000	901902	901902	098098	100106	086086	092096
S1-2018_Pass17	543707	D0615005	S49-9	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,992	0,926	1,000	901902	901902	098098	100100	083084	092092
S1-2018_Pass17	543708	D0615006	S49-10	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,991	0,900	1,000	901902	901902	098098	100106	084084	100100
S1-2018_Pass17	543709	D0615008	S49-11	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,978	1,000	901902	901902	098098	100106	084084	092096
S1-2018_Pass17	543710	D0615009	S49-12	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	HYBF1	0,656	0,458	0,829	901902	901902	098098	102106	090090	096096
S1-2018_Pass17	543711	D0615010	S49-13	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	HYBF1	0,635	0,431	0,815	901902	901902	098102	102106	086086	092096
S1-2018_Pass17	543712	D0615011	S49-14	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,981	1,000	901902	901902	098098	100100	084084	092096
S1-2018_Pass17	543713	D0615013	S41-2	D	3-Exploitable	Canis lupus	italo-alpine (w22)	0,917	XY	Loup	0,998	0,980	1,000	901902	901902	098098	106106	084084	092092
S1-2018_Pass17	543722	F0615001	S44-5	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,755	XY	Loup	0,996	0,950	1,000	000000	901902	098098	100100	084084	096096
S1-2018_Pass17	543723	F0615006	S45-10	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,536	--	#NA	#NA	#NA	#NA	000000	000000	098098	100106	084084	092092
S1-2018_Pass17	543730	F1315028	S45-12	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,870	XY	Loup	0,998	0,979	1,000	901902	901902	098098	100106	084084	092096
S1-2018_Pass17	543731	D2615002	S50-5	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,917	0,741	1,000	901902	901902	098100	100100	084084	096096
S1-2018_Pass17	543732	D2615003	S50-6	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XX	Loup	0,998	0,978	1,000	901901	901901	098098	100100	083084	092092
S1-2018_Pass17	543749	F3815007	S45-17	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,656	XX	#NA	#NA	#NA	#NA	000000	901901	098098	100106	086086	092092
S1-2018_Pass17	543750	F3815008	S48-5	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,813	XY	Loup	0,997	0,959	1,000	000000	902902	098098	100106	086086	092092
S1-2018_Pass17	543751	F3815011	S45-16	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,938	XY	Loup	0,997	0,969	1,000	901902	901902	098098	106106	086086	092092
S1-2018_Pass17	543752	F3815015	S47-7	F	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,997	0,969	1,000	901902	901902	098098	100100	084084	092096
S1-2018_Pass17	543756	F3815024	S44-8	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,870	XY	Loup	0,998	0,975	1,000	902902	901902	098098	100100	084084	092092
S1-2018_Pass17	543758	F3815032	S49-30	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,714	XX	Loup	0,998	0,977	1,000	901901	901901	098098	100106	086086	092092
S1-2018_Pass17	543761	F3816013	S49-23	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,854	XY	HYBF1	0,685	0,490	0,851	901902	901902	098100	102106	084084	092096
S1-2018_Pass17	543762	F3816020	S49-31	F	3-Exploitable	Canis sp	#NA	0,536	XY	#NA	#NA	#NA	#NA	000000	901902	000000	000000	084084	092096
S1-2018_Pass17	543763	F3816021	S49-33	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,599	XX	#NA	#NA	#NA	#NA	000000	901901	098098	106106	000000	092092
S1-2018_Pass17	543764	F3816029	S49-25	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,698	--	Loup	0,995	0,935	1,000	000000	000000	098098	100106	084084	096096
S1-2018_Pass17	543765	F3816035	S50-7	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,698	XX	Loup	0,996	0,949	1,000	000000	901901	098098	100100	084084	096096
S1-2018_Pass17	543766	F3816046	S47-1	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,557	--	#NA	#NA	#NA	#NA	000000	000000	098098	100106	084084	092092
S1-2018_Pass17	543767	F3816048	S50-8	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XY	Loup	0,997	0,968	1,000	901902	901902	098098	100106	086086	092096
S1-2018_Pass17	543768	F3816049	S50-9	F	3-Exploitable	#NA	#NA	0,589	XY	#NA	#NA	#NA	#NA	000000	901902	098098	100106	086086	092092
S1-2018_Pass17	543775	D7314002	S47-4	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,993	0,915	1,000	901902	901902	098098	100100	084084	096096
S1-2018_Pass17	543776	D7315003	S47-5	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,955	0,816	1,000	901902	901902	098098	102106	084084	096096
S1-2018_Pass17	543777	D7315006	S46_8	D	3-Exploitable	Canis lupus	italo-alpine (w22)	0,917	XY	HYBF1	0,556	0,334	0,758	901902	901902	098102	100102	088088	092096
S1-2018_Pass17	543782	F7314026	S47-3	F	3-Exploitable	#NA	#NA	0,979	XX	Loup	0,997	0,967	1,000	901901	901901	098098	100100	084084	092092
S1-2018_Pass17	543783	F7314027	S48-3	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,599	XY	#NA	#NA	#NA	#NA	000000	901902	098102	100102	084084	096096
S1-2018_Pass17	543785	F7314041	S49-28	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,896	XX	Loup	0,997	0,958	1,000	901901	901901	098098	100100	084084	092096
S1-2018_Pass17	543788	F7314056	S49-26	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,833	XX	Loup	0,998	0,976	1,000	901901	901901	098098	100106	084084	092092
S1-2018_Pass17	543790	F7314065	S48-2	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,979	XY	Loup	0,998	0,978	1,000	901902	901902	098098	100106	084084	092092
S1-2018_Pass17	543792	F7315015	S46-4	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XY	Loup	0,996	0,953	1,000	901902	901902	098098	100100	084084	092092
S1-2018_Pass17	543793	F7315021	S48-1	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,677	XY	#NA	#NA	#NA	#NA	000000	901902	098098	100100	084084	092092
S1-2018_Pass17	543794	F7315027	S47-6	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,979	XX	Loup	0,998	0,976	1,000	901901	901901	098098	100100	084084	092092
S1-2018_Pass17	543808	1005163	S44-3	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,729	--	Loup	0,998	0,975	1,000	000000	000000	098098	100100	086086	092096
S1-2018_Pass17	543816	1202090	S49-17	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,760	XY	Loup	0,994	0,932	1,000	000000	901902	098098	100100	084084	096100
S1-2018_Pass17	543818	1203165	S49-19	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XX	Loup	0,997	0,970	1,000	901901	901901	098098	100106	086086	096096
S1-2018_Pass17	543822	1301015	S50-10	F	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,980	1,000	901902	901902	098098	100106	084084	092092

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Population	N° Antagene	Ref ONCFS	N° Loup (base finale)	Type prélèvement	Tri	Espèce (mtDNA)	Mitotype (Pilot 2010)	IQ	Sexe	Hybridation	Proba_Loup	CI95_bott	CI95_up	00-Clu-Amelo-A	00-Clu-Amelo-B	01-AHT103	02-AHT111	03-AHTk211	04-FH2096
S1-2018_Pass17	543823	1301038	S50-11	F	3-Exploitable	Canis lupus	#NA	0,917	XX	Loup	0,998	0,975	1,000	901901	901901	098098	100102	084084	092092
S1-2018_Pass17	543824	1302060	S50-12	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,984	XX	Loup	0,945	0,727	1,000	901901	901901	098098	100104	084084	096100
S1-2018_Pass17	543825	1302064	S50-13	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,656	XX	#NA	#NA	#NA	#NA	000000	901901	098098	100106	083084	092096
S1-2018_Pass17	543826	1302072	S50-14	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,547	XX	#NA	#NA	#NA	#NA	000000	901901	098098	106106	084084	092092
S1-2018_Pass17	543827	1302076	S50-15	F	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XX	Loup	0,998	0,975	1,000	901901	901901	098098	100106	086086	092096
S1-2018_Pass17	543839	1410009	S50-3	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,766	XY	Loup	0,998	0,979	1,000	901902	901902	098098	100100	084084	096096
S1-2018_Pass17	543840	1410134	S50-4	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,698	XY	Loup	0,998	0,974	1,000	000000	901902	098098	100100	084084	092096
S1-2018_Pass18	551487	D0410001	S27-10	D	3-Exploitable	Canis lupus	italo-alpine (w22)	0,792	XX	Loup	0,998	0,979	1,000	000000	901901	098098	106106	084084	092096
S1-2018_Pass18	551488	D0411003	S32-2	D	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XX	Loup	0,998	0,979	1,000	901901	901901	098098	100106	084084	092092
S1-2018_Pass18	551489	D0416001	S51-12	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,996	0,954	1,000	901902	901902	098098	100100	084084	096100
S1-2018_Pass18	551490	D0416002	S51-13	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,980	1,000	901902	901902	098098	100106	084084	092096
S1-2018_Pass18	551491	D0509001	S20-2	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XX	Loup	0,999	0,982	1,000	901901	901901	098098	100106	084084	092096
S1-2018_Pass18	551492	D0509005	S25-14	D	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XX	Loup	0,998	0,982	1,000	901901	901901	098098	106106	084084	092092
S1-2018_Pass18	551493	D0511003	S31-4	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XX	Loup	0,996	0,958	1,000	901901	901901	098098	100106	086086	092092
S1-2018_Pass18	551495	D0610001	S27-1	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XX	Loup	0,998	0,978	1,000	901901	901901	098098	100100	086086	092092
S1-2018_Pass18	551496	D0613001	S36-1	D	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XX	Loup	0,998	0,979	1,000	901901	901901	098098	100100	084084	092096
S1-2018_Pass18	551497	D0613007	S37-10	D	3-Exploitable	Canis lupus	italo-alpine (w22)	0,792	XX	Loup	0,998	0,972	1,000	901901	901901	098098	100100	086086	092096
S1-2018_Pass18	551498	D1213001	S37-1	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,980	1,000	901902	901902	098098	100106	084084	092096
S1-2018_Pass18	551499	D2415001	S50-1	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,976	1,000	901902	901902	098098	100100	084084	092092
S1-2018_Pass18	551500	D2608002	S22-21	D	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XY	Loup	0,998	0,981	1,000	901902	901902	098098	106106	084084	092092
S1-2018_Pass18	551501	D2611001	S32-22	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,981	1,000	901902	901902	098098	100106	086086	092096
S1-2018_Pass18	551502	D3810003	S29-2	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,981	1,000	901902	901902	098098	100106	084084	092096
S1-2018_Pass18	551503	D7314001	S40b-8	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,980	1,000	901902	901902	098098	100106	086086	092092
S1-2018_Pass18	551504	D7316001	S51-9	D	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XX	Loup	0,998	0,980	1,000	901901	901901	098098	106106	086086	092092
S1-2018_Pass18	551506	D8316002	S51-22	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XX	BC	0,854	0,691	0,964	901901	901901	098100	100100	084084	092096
S1-2018_Pass18	551507	D8316003	S51-23	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XX	BC	0,746	0,554	0,899	901901	901901	098100	102106	084088	096096
S1-2018_Pass18	551508	1002026	S30-9	F	3-Exploitable	Canis sp	#NA	0,839	XX	Loup	0,998	0,982	1,000	901901	901901	098098	106106	084084	092092
S1-2018_Pass18	551509	1003058	S37-8	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,969	XX	Loup	0,998	0,982	1,000	901901	901901	098098	100106	084084	092092
S1-2018_Pass18	551511	1004103	S33-5	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,854	XY	Loup	0,998	0,979	1,000	000000	901902	098098	100106	086086	092096
S1-2018_Pass18	551512	1006175	S36-18	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,568	XX	#NA	#NA	#NA	#NA	000000	901901	098098	100106	084084	092096
S1-2018_Pass18	551514	1101011	S37-12	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,656	XX	#NA	#NA	#NA	#NA	000000	901901	098098	100104	084084	096096
S1-2018_Pass18	551515	1101012	S37-13	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,771	XX	Loup	0,994	0,928	1,000	000000	901901	098098	100104	084084	096096
S1-2018_Pass18	551516	1102042	S37-11	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,906	XY	Loup	0,998	0,980	1,000	901902	901902	098098	100106	084084	092096
S1-2018_Pass18	551517	1103112	S44-1	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,698	XX	Loup	0,997	0,969	1,000	000000	901901	098098	100100	084084	096096
S1-2018_Pass18	551518	1103113	S36-13	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,979	XX	Loup	0,998	0,979	1,000	901901	901901	098098	100106	084084	092096
S1-2018_Pass18	551519	1105159	S44-2	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,818	XY	Loup	0,983	0,891	1,000	000000	901902	098098	106106	086086	092092
S1-2018_Pass18	551520	1105172	S30-10	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,833	XX	Loup	0,998	0,982	1,000	901901	901901	098098	106106	084084	092092
S1-2018_Pass18	551522	1109190	S36-H3	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,844	XY	HYBF1	0,425	0,209	0,643	000000	901902	098100	100102	090090	092096
S1-2018_Pass18	551523	1111204	S36-H7	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XX	HYBF1	0,568	0,358	0,760	901901	901901	098100	100102	090090	092096
S1-2018_Pass18	551524	1111219	S36-H1	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,932	XY	HYBF1	0,590	0,367	0,788	901902	901902	098100	100102	084088	092096
S1-2018_Pass18	551525	1201004	S36-15	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,917	XY	Loup	0,998	0,979	1,000	901902	901902	098098	100100	084084	092096
S1-2018_Pass18	551528	1201035	S36-12	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,948	XX	Loup	0,998	0,972	1,000	901901	901901	098098	106106	086086	092092
S1-2018_Pass18	551529	1203186	S36-H8	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,719	XX	HYBF1	0,366	0,118	0,602	000000	901901	098102	100102	088088	096096
S1-2018_Pass18	551530	1204193	S49-20	F	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,975	1,000	901902	901902	098098	100100	086086	092096
S1-2018_Pass18	551531	1301055	S38-23	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,990	XY	Loup	0,997	0,964	1,000	901902	901902	098098	100106	086086	092100
S1-2018_Pass18	551532	1303100	S36-17	F	3-Exploitable	Canis lupus	#NA	0,880	XX	Loup	0,998	0,979	1,000	000000	901901	098098	100106	084084	092096
S1-2018_Pass18	551533	2701019	S22-4	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,766	XY	Loup	0,998	0,979	1,000	901902	901902	098098	100106	084084	092096
S1-2018_Pass18	551534	2702055	S22-6	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,844	XY	Loup	0,997	0,966	1,000	000000	901902	098098	100106	084084	092092
S1-2018_Pass18	551535	2702081	S22-5	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,672	XX	#NA	#NA	#NA	#NA	000000	901901	098098	100106	084084	092096
S1-2018_Pass18	551536	2703045	S22-7	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,839	XY	Loup	0,998	0,977	1,000	000000	901902	098098	100100	086086	092096
S1-2018_Pass18	551537	2705246	S22-14	F	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,982	1,000	901902	901902	098098	100100	084084	092092
S1-2018_Pass18	551538	2709194	S30-15	F	3-Exploitable	#NA	#NA	0,813	XY	BC	0,764	0,571	0,911	901902	901902	000000	098106	084084	096100
S1-2018_Pass18	551539	2801014	S33-14	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XX	Loup	0,998	0,982	1,000	901901	901901	098098	100106	084084	092092
S1-2018_Pass18	551540	2801022	S40-6	F	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,979	1,000	901902	901902	098098	100100	084084	092092
S1-2018_Pass18	551543	2802053	S30-7	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,938	XX	Loup	0,998	0,977	1,000	901901	901901	098098	100106	086086	096096
S1-2018_Pass18	551544	2803063	S30-16	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XY	Loup	0,998	0,981	1,000	901902	901902	098098	100106	084084	092096
S1-2018_Pass18	551545	2803074	S22-8	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,531	--	#NA	#NA	#NA	#NA	000000	000000	098098	100100	000000	092096
S1-2018_Pass18	551546	2805106	S33-14	F	3-Exploitable	Canis sp	#NA	0,719	--	Loup	0,998	0,978	1,000	000000	000000	098098	100106	084084	092092
S1-2018_Pass18	551547	2809151	S30-16	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,854	XY	Loup	0,998	0,981	1,000	000000	901902	098098	100106	084084	092096
S1-2018_Pass18	551548	2811178	S33-13	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,917	XX	Loup	0,998	0,976	1,000	901901	901901	098098	100106	086086	096096

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Population	N° Antagene	Ref ONCFS	N° Loup (base finale)	Type prélèvement	Tri	Espèce (mtDNA)	Mitotype (Pilot 2010)	IQ	Sexe	Hybridation	Proba_Loup	CI95_bott	CI95_up	00-Clu-Amelo-A	00-Clu-Amelo-B	01-AHT103	02-AHT111	03-AHTk211	04-FH2096
S1-2018_Pass18	551549	2811180	S24-1	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,703	XY	Loup	0,998	0,977	1,000	000000	901902	098098	100106	086086	092092
S1-2018_Pass18	551550	2812185	S33-11	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,698	XY	Loup	0,998	0,980	1,000	000000	902902	098098	100106	084084	092092
S1-2018_Pass18	551551	2812187	S33-10	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,807	XY	Loup	0,998	0,979	1,000	901902	901902	098098	100100	084084	092092
S1-2018_Pass18	551552	2901006	S34-6	F	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XX	Loup	0,998	0,980	1,000	901901	901901	098098	100106	084084	092092
S1-2018_Pass18	551554	2903061	S34-7	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,797	XY	Loup	0,998	0,980	1,000	000000	901902	098098	100106	086086	092096
S1-2018_Pass18	551555	2903065	S34-8	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,615	XX	#NA	#NA	#NA	#NA	000000	901901	098098	100106	086086	092092
S1-2018_Pass18	551558	2904103	S34-2	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,917	XY	Loup	0,998	0,980	1,000	000000	901902	098098	100106	084084	092096
S1-2018_Pass18	551561	2905115	S25-12	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,927	XX	Loup	0,998	0,981	1,000	901901	901901	098098	106106	084084	092092
S1-2018_Pass18	551562	2909139	S30-5	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,536	XX	#NA	#NA	#NA	#NA	000000	901901	098098	100106	086086	092096
S1-2018_Pass18	551564	F0406007	S22-10	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,500	XX	#NA	#NA	#NA	#NA	000000	901901	098098	100100	084084	096096
S1-2018_Pass18	551565	F0406057	S22-11	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,573	XY	#NA	#NA	#NA	#NA	000000	901902	098098	106106	084084	092096
S1-2018_Pass18	551566	F0406062	S22-12	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,750	XY	Loup	0,998	0,976	1,000	000000	901902	098098	100100	086086	092092
S1-2018_Pass18	551567	F0406067	S22-13	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,917	XY	Loup	0,998	0,981	1,000	901902	901902	098098	100100	084084	092092
S1-2018_Pass18	551568	F0406073	S22-15	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,688	XY	#NA	#NA	#NA	#NA	901902	901902	098098	100100	084084	092092
S1-2018_Pass18	551569	F0407015	S24-2	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,792	XY	Loup	0,981	0,895	1,000	000000	901902	098098	100106	084084	092092
S1-2018_Pass18	551570	F0407051	S27-15	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XY	Loup	0,998	0,981	1,000	901902	901902	098098	100106	086086	092092
S1-2018_Pass18	551571	F0408014	S28-9	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XY	Loup	0,998	0,979	1,000	901902	901902	098098	100100	084084	096096
S1-2018_Pass18	551572	F0408036	S28-4	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,807	XX	Loup	0,999	0,982	1,000	901901	901901	098098	100106	084084	092092
S1-2018_Pass18	551573	F0408086	S28-10	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,615	XY	#NA	#NA	#NA	#NA	901902	901902	098098	100106	084084	092092
S1-2018_Pass18	551576	F0409065	S35-1	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,792	XY	Loup	0,998	0,971	1,000	901902	901902	098098	100106	084084	092092
S1-2018_Pass18	551578	F0409072	S32-6	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,964	XY	Loup	0,998	0,979	1,000	901902	901902	098098	100106	084084	092096
S1-2018_Pass18	551581	F0410005	S28-5	F	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XX	Loup	0,997	0,968	1,000	901901	901901	098098	100106	084084	092100
S1-2018_Pass18	551582	F0410014	S32-9	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,854	XY	Loup	0,998	0,982	1,000	901902	901902	098098	106106	084084	092092
S1-2018_Pass18	551584	F0410045	S28-3	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,750	XX	Loup	0,998	0,980	1,000	000000	901901	098098	106106	084084	092096
S1-2018_Pass18	551585	F0410060	S29-9	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,922	XX	Loup	0,971	0,858	1,000	901901	901901	098098	100106	083084	092092
S1-2018_Pass18	551586	F0410073	S32-23	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,557	XX	#NA	#NA	#NA	#NA	000000	901901	098098	100106	084084	092092
S1-2018_Pass18	551588	F0411001	S29-1	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,594	XY	#NA	#NA	#NA	#NA	000000	901902	098098	106106	084084	092092
S1-2018_Pass18	551589	F0411015	S31-3	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,714	XY	Loup	0,998	0,979	1,000	000000	901902	098098	100106	000000	096096
S1-2018_Pass18	551590	F0411025	S32-25	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,724	XX	Loup	0,995	0,936	1,000	000000	901901	098098	100100	086086	096096
S1-2018_Pass18	551591	F0411031	S32-16	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,922	XX	Loup	0,998	0,980	1,000	901901	901901	098098	106106	084084	092092
S1-2018_Pass18	551592	F0411048	S32-17	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,740	XY	Loup	0,998	0,977	1,000	902902	901902	098098	100106	086086	096096
S1-2018_Pass18	551593	F0411052	S32-18	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,646	XX	#NA	#NA	#NA	#NA	901901	901901	098098	000000	084084	092096
S1-2018_Pass18	551595	F0411073	S33-6	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,766	XX	Loup	0,998	0,979	1,000	901901	901901	098098	106106	084084	092096
S1-2018_Pass18	551597	F0412006	S32-24	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,938	XX	Loup	0,998	0,981	1,000	901901	901901	098098	106106	083084	092096
S1-2018_Pass18	551598	F0412024	S25-1	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,990	XX	Loup	0,998	0,982	1,000	901901	901901	098098	100100	084084	092092
S1-2018_Pass18	551599	F0412025	S34-10	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,948	XY	Loup	0,998	0,980	1,000	901902	901902	098098	100106	083084	092096
S1-2018_Pass18	551600	F0412048	S34-14	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XX	Loup	0,993	0,916	1,000	901901	901901	098098	100100	084084	092100
S1-2018_Pass18	551601	F0412058	S35-19	F	3-Exploitable	Canis sp	#NA	0,776	XX	Loup	0,993	0,922	1,000	901901	901901	098098	100104	000000	092096
S1-2018_Pass18	551602	F0412076	S35-17	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,911	XX	Loup	0,997	0,968	1,000	901901	901901	098098	100106	086086	092096
S1-2018_Pass18	551604	F0413001	S36-5	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,932	XY	Loup	0,998	0,980	1,000	901902	901902	098098	100106	084084	092096
S1-2018_Pass18	551605	F0413008	S27-6	F	3-Exploitable	Canis sp	#NA	0,979	XX	Loup	0,998	0,981	1,000	901901	901901	098098	100106	084084	092096
S1-2018_Pass18	551606	F0413013	S40b-9	F	3-Exploitable	#NA	#NA	0,870	XX	Loup	0,998	0,971	1,000	000000	901901	098098	100106	084084	092092
S1-2018_Pass18	551607	F0413023	S37-3	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,677	XY	#NA	#NA	#NA	#NA	902902	901902	098098	100106	084084	092096
S1-2018_Pass18	551609	F0413033	S37-9	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,896	XY	Loup	0,998	0,971	1,000	901902	901902	098098	100106	000000	092096
S1-2018_Pass18	551610	F0413038	S37-14	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,891	XY	Loup	0,998	0,979	1,000	901902	901902	098098	100100	084084	092092
S1-2018_Pass18	551611	F0413046	S27-13	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,880	XY	Loup	0,992	0,905	1,000	901902	901902	098098	100100	084084	092100
S1-2018_Pass18	551613	F0413069	S34-15	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,938	XX	Loup	0,993	0,926	1,000	901901	901901	098098	100104	084084	096096
S1-2018_Pass18	551614	F0413138	S37-3	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,922	XY	Loup	0,998	0,978	1,000	901902	901902	098098	100106	084084	092096
S1-2018_Pass18	551616	F0414110	S32-19	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,979	XX	Loup	0,998	0,978	1,000	901901	901901	098098	100106	084084	092096
S1-2018_Pass18	551617	F0506024	S21-6	F	3-Exploitable	Canis sp	#NA	0,766	XY	Loup	0,998	0,979	1,000	000000	901902	098098	106106	084084	092096
S1-2018_Pass18	551618	F0506044	S21-6	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,984	XY	Loup	0,998	0,980	1,000	901902	901902	098098	106106	084084	092096
S1-2018_Pass18	551619	F0507002	S24-5	F	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,976	1,000	901902	901902	098098	100106	086086	092096
S1-2018_Pass18	551620	F0507007	S21-1	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XX	Loup	0,997	0,968	1,000	901901	901901	098098	106106	084084	092100
S1-2018_Pass18	551621	F0507020	S22-9	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,979	XY	Loup	0,997	0,969	1,000	901902	901902	098098	106106	084084	092092
S1-2018_Pass18	551622	F0507025	S24-14	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,984	XX	Loup	0,998	0,978	1,000	901901	901901	098098	106106	084084	092096
S2-2018_Pass18	551623	F0507039	S21-7	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,911	XY	Loup	0,998	0,980	1,000	902902	901902	098098	106106	084084	092092
S2-2018_Pass18	551624	F0507059	S25-11	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,911	XY	Loup	0,997	0,962	1,000	901902	901902	098098	106106	084084	096100
S2-2018_Pass18	551625	F0507078	S24-3	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,911	XY	Loup	0,998	0,982	1,000	901902	901902	098098	106106	084084	092092
S2-2018_Pass18	551626	F0507117	S22-18	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,953	XX	Loup	0,999	0,983	1,000	901901	901901	098098	106106	084084	092092
S2-2018_Pass18	551627	F0507121	S22-18	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,880	XX	Loup	0,999	0,982	1,000	901901	901901	098098	106106	084084	092092

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Population	N° Antagene	Ref ONCFS	N° Loup (base finale)	Type prélèvement	Tri	Espèce (mtDNA)	Mitotype (Pilot 2010)	IQ	Sexe	Hybridation	Proba_Loup	CI95_bott	CI95_up	00-Clu-Amelo-A	00-Clu-Amelo-B	01-AHT103	02-AHT111	03-AHTk211	04-FH2096
S2-2018_Pass18	551628	F0508016	S27-8	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,698	--	Loup	0,997	0,963	1,000	000000	000000	098098	106106	000000	092100
S2-2018_Pass18	551630	F0508088	S20-3	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,917	XX	Loup	0,998	0,979	1,000	901901	901901	098098	100106	086086	092096
S2-2018_Pass18	551631	F0508090	S24-8	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,573	--	#NA	#NA	#NA	#NA	000000	000000	098098	106106	084084	096100
S2-2018_Pass18	551634	F0510030	S28-8	F	3-Exploitable	Canis sp	#NA	0,922	XY	Loup	0,998	0,981	1,000	901902	901902	098098	100100	084084	092096
S2-2018_Pass18	551635	F0510052	S30-2	F	3-Exploitable	#NA	#NA	0,724	XX	Loup	0,998	0,973	1,000	000000	901901	098098	100100	084084	092092
S2-2018_Pass18	551636	F0510054	S29-5	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,854	XY	Loup	0,998	0,980	1,000	902902	901902	098098	100100	084084	092096
S2-2018_Pass18	551637	F0511012	S38-12	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,917	XY	Loup	0,998	0,972	1,000	901902	901902	098098	106106	084084	092092
S2-2018_Pass18	551639	F0511039	S37-4	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,990	XY	Loup	0,998	0,982	1,000	901902	901902	098098	106106	084084	092092
S2-2018_Pass18	551641	F0511061	S31-2	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,542	--	#NA	#NA	#NA	#NA	000000	000000	098098	100100	084084	092092
S2-2018_Pass18	551642	F0511087	S33-3	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,979	XY	Loup	0,997	0,969	1,000	901902	901902	098098	100106	084084	092100
S2-2018_Pass18	551643	F0512046	S34-16	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,677	XY	#NA	#NA	#NA	#NA	000000	901902	098098	100100	084084	092092
S2-2018_Pass18	551645	F0512054	S25-5	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,984	XY	Loup	0,998	0,978	1,000	901902	901902	098098	100100	084084	092096
S2-2018_Pass18	551646	F0512066	S35-20	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,969	XY	Loup	0,998	0,971	1,000	901902	901902	098098	106106	086086	092096
S2-2018_Pass18	551647	F0513047	S38-10	F	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,974	1,000	901902	901902	098098	100106	086086	092092
S2-2018_Pass18	551648	F0514029	S29-7	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,661	XX	#NA	#NA	#NA	#NA	000000	901901	098098	100106	084084	092100
S2-2018_Pass18	551651	F0613008	S46-10	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XX	Loup	0,998	0,981	1,000	901901	901901	098098	106106	086086	092096
S2-2018_Pass18	551652	F0615013	S45-11	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,766	XX	Loup	0,998	0,978	1,000	000000	901901	098098	100106	086086	092092
S2-2018_Pass18	551654	F0616038	S51-15	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,563	XX	#NA	#NA	#NA	#NA	000000	901901	098098	100106	086086	092096
S2-2018_Pass18	551658	F1316002	S51-18	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,609	XY	#NA	#NA	#NA	#NA	901902	901902	098098	100100	000000	096096
S2-2018_Pass18	551661	F2606020	S21-4	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XX	Loup	0,998	0,980	1,000	901901	901901	098098	100106	084084	092096
S2-2018_Pass18	551662	F2607025	S25-10	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,693	XY	#NA	#NA	#NA	#NA	901902	901902	098098	100106	084084	092096
S2-2018_Pass18	551663	F2608007	S25-13	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,979	XX	Loup	0,999	0,984	1,000	901901	901901	098098	100106	084084	092092
S2-2018_Pass18	551665	F2611003	S25-9	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,573	XY	#NA	#NA	#NA	#NA	000000	901902	098098	100100	084084	092096
S2-2018_Pass18	551666	F2611061	S24-10	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,995	XX	Loup	0,999	0,983	1,000	901901	901901	098098	100100	084084	092096
S2-2018_Pass18	551668	F2612001	S35-4	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,943	XY	Loup	0,999	0,983	1,000	000000	901902	098098	100100	084084	092096
S2-2018_Pass18	551669	F2612006	S35-7	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,844	XY	Loup	0,999	0,983	1,000	000000	901902	098098	100100	084084	092096
S2-2018_Pass18	551670	F2612020	S35-15	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,948	XX	Loup	0,998	0,979	1,000	901901	901901	098098	100100	084084	092096
S2-2018_Pass18	551671	F2612023	S35-13	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,740	XY	Loup	0,996	0,954	1,000	000000	901902	098098	100100	084084	092096
S2-2018_Pass18	551673	F2612025	S35-12	F	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,981	0,876	1,000	901902	901902	098098	100106	086086	092096
S2-2018_Pass18	551675	F2613013	S37-16	F	3-Exploitable	Canis sp	#NA	0,656	XY	#NA	#NA	#NA	#NA	901902	901902	098098	100106	084084	092092
S2-2018_Pass18	551676	F2613016	S35-8	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,953	XY	Loup	0,998	0,978	1,000	901902	901902	098098	100106	086086	092096
S2-2018_Pass18	551684	F3812029	S35-2	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,995	XX	Loup	0,997	0,968	1,000	901901	901901	098098	100106	084084	092096
S2-2018_Pass18	551685	F3816014	S39-12	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,667	--	#NA	#NA	#NA	#NA	000000	000000	098098	100106	084084	092096
S2-2018_Pass18	551686	F3816031	S51-7	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,932	XY	Loup	0,991	0,893	1,000	901902	901902	098098	100100	084084	096100
S2-2018_Pass18	551689	F3816077	S51-4	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,995	XY	BC?	0,860	0,670	0,990	901902	901902	098098	100106	084084	092100
S2-2018_Pass18	551690	F3816078	S51-11	F	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,994	0,930	1,000	901902	901902	098098	100100	086086	092096
S2-2018_Pass18	551692	F6614013	S24-8	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,516	XY	#NA	#NA	#NA	#NA	000000	901902	098098	106106	084084	096100
S2-2018_Pass18	551694	F7306056	S21-2	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,990	XX	Loup	0,998	0,981	1,000	901901	901901	098098	100100	084084	092096
S2-2018_Pass18	551695	F7308020	S22-20	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,984	XX	Loup	0,998	0,976	1,000	901901	901901	098098	100106	084084	096096
S2-2018_Pass18	551696	F7309010	S24-4	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,839	XY	Loup	0,998	0,973	1,000	901902	901902	098098	100100	086086	092096
S2-2018_Pass18	551697	F7309021	S22-19	F	3-Exploitable	#NA	#NA	0,964	XY	Loup	0,998	0,977	1,000	901902	901902	098098	100106	084084	096096
S2-2018_Pass18	551698	F7309028	S25-17	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,833	XX	Loup	0,998	0,980	1,000	000000	901901	098098	100106	086086	096096
S2-2018_Pass18	551699	F7310003	S25-7	F	3-Exploitable	Canis sp	#NA	0,693	XY	#NA	#NA	#NA	#NA	901902	901902	098098	100100	000000	092096
S2-2018_Pass18	551701	F7312029	S38-3	F	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,980	1,000	901902	901902	098098	100106	084084	096096
S2-2018_Pass18	551703	F7313012	S38-2	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,995	XY	Loup	0,998	0,982	1,000	901902	901902	098098	106106	084084	092096
S2-2018_Pass18	551704	F7313014	S38-4	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,990	XX	Loup	0,999	0,983	1,000	901901	901901	098098	100100	084084	092096
S2-2018_Pass18	551705	F7313017	S33-7	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,677	XX	#NA	#NA	#NA	#NA	901901	901901	098102	100102	084088	096096
S2-2018_Pass18	551706	F7313030	S27-7	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,661	XY	#NA	#NA	#NA	#NA	000000	901902	098098	106106	084084	096096
S2-2018_Pass18	551708	F7315028	S40b-19	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,974	XX	Loup	0,993	0,917	1,000	901901	901901	098098	100100	084084	092096
S2-2018_Pass18	551709	F7316019	S51-10	F	3-Exploitable	#NA	#NA	0,714	XX	Loup	0,995	0,944	1,000	901901	901901	098098	100100	084084	092092
S2-2018_Pass18	551710	F7408018	S23-5	F	3-Exploitable	Canis sp	#NA	0,990	XY	Loup	0,998	0,977	1,000	901902	901902	098098	100106	084084	096096
S2-2018_Pass18	551711	F7409004	S23-4	F	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,978	1,000	901902	901902	098098	100106	084084	092096
S2-2018_Pass18	551712	F7409010	S23-3	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,865	XY	Loup	0,998	0,980	1,000	000000	901902	098098	100100	084084	092096
S2-2018_Pass18	551713	F7409015	S24-6	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,714	XY	Loup	0,997	0,961	1,000	000000	901902	098098	100106	084084	096096
S2-2018_Pass18	551714	F7410007	S28-11	F	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,980	1,000	901902	901902	098098	100106	084084	092096
S2-2018_Pass18	551715	F7411002	S23-1	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,964	XX	Loup	0,998	0,981	1,000	901901	901901	098098	100106	084084	092096
S2-2018_Pass18	551716	F7411005	S24-11	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,865	XX	Loup	0,998	0,973	1,000	901901	901901	000000	100106	084084	096096
S2-2018_Pass18	551717	F7411016	S32-3	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,661	XY	#NA	#NA	#NA	#NA	901902	901902	098098	100100	084084	092092
S2-2018_Pass18	551718	F7411049	S32-3	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,740	XY	Loup	0,998	0,973	1,000	000000	901902	098098	100100	084084	092092
S2-2018_Pass18	551719	F7412001	S27-9	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,974	XY	Loup	0,998	0,982	1,000	901902	901902	098098	100106	084084	092096

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Population	N° Antagene	Ref ONCFS	N° Loup (base finale)	Type prélèvement	Tri	Espèce (mtDNA)	Mitotype (Pilot 2010)	IQ	Sexe	Hybridation	Proba_Loup	CI95_bott	CI95_up	00-Clu-Amelo-A	00-Clu-Amelo-B	01-AHT103	02-AHT111	03-AHTk211	04-FH2096
S2-2018_Pass18	551720	F7412002	S36-8	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,813	XY	Loup	0,997	0,959	1,000	901902	901902	098098	100100	084084	092096
S2-2018_Pass18	551721	F7412003	S36-9	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,932	XX	Loup	0,981	0,883	1,000	901901	901901	098098	100106	084084	096096
S2-2018_Pass18	551722	F7412005	S34-20	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,771	XY	Loup	0,998	0,980	1,000	901902	901902	098098	106106	084084	092096
S2-2018_Pass18	551723	F7413006	S36-10	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,896	XX	Loup	0,998	0,979	1,000	901901	901901	098098	106106	084084	092096
S2-2018_Pass18	551724	F7414006	S24-11	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,828	XX	Loup	0,998	0,971	1,000	901901	901901	098098	100106	084084	096096
S2-2018_Pass18	551725	F8309022	S23-2	F	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,999	0,983	1,000	901902	901902	098098	100106	084084	092092
S2-2018_Pass18	551727	F8310020	S25-15	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,958	XX	Loup	0,998	0,981	1,000	901901	901901	098098	100100	084084	092096
S2-2018_Pass18	551728	F8311013	S37-6	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,927	XX	Loup	0,998	0,970	1,000	901901	901901	098098	100106	084084	092092
S2-2018_Pass18	551729	F8313015	S38-5	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,667	--	#NA	#NA	#NA	#NA	000000	000000	098098	100106	084084	092096
S2-2018_Pass18	551730	F8313016	S38-18	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,917	XY	Loup	0,998	0,981	1,000	901902	901902	098098	106106	084084	092096
S2-2018_Pass18	551732	F8313044	S39-12	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,901	XY	Loup	0,998	0,981	1,000	901902	901902	098098	100106	084084	092096
S2-2018_Pass18	551733	F8313049	S39-13	F	3-Exploitable	#NA	#NA	0,875	XX	Loup	0,999	0,982	1,000	901901	901901	098098	106106	084084	092096
S2-2018_Pass18	551734	F8313074	S49-19	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,938	XX	Loup	0,997	0,958	1,000	901901	901901	098098	100106	000000	096096
S2-2018_Pass18	551735	F8315064	S39-13	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,979	XX	Loup	0,998	0,982	1,000	901901	901901	098098	106106	084084	092096
S2-2018_Pass18	551737	F8316022	S51-25	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,781	XX	BC	0,862	0,696	0,971	901901	901901	098098	100100	084084	096096
S2-2018_Pass18	551738	F8316023	S51-26	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,828	XY	Loup	0,958	0,806	1,000	901902	901902	098098	106106	086086	092096
S2-2018_Pass18	551740	F8316042	S51-28	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,750	XY	BC	0,835	0,646	0,972	901902	901902	098098	102106	084084	096096
S2-2018_Pass18	551741	F8412002	S35-11	F	3-Exploitable	#NA	#NA	0,927	XY	Loup	0,998	0,978	1,000	902902	901902	098098	100100	086086	092096
S2-2018_Pass18	551742	F8416005	S51-30	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,969	XY	Loup	0,998	0,979	1,000	901902	901902	098098	100100	086086	092092
S2-2018_Pass18	551744	F8416013	S35-11	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,557	XY	#NA	#NA	#NA	#NA	902902	901902	098098	100100	086086	092096
S2-2018_Pass18	551745	FIT00109087	S32-20	F	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,999	0,983	1,000	901902	901902	098098	100106	084084	092092
S2-2018_Pass18	551747	FIT00112037	S35-6	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,573	XY	#NA	#NA	#NA	#NA	901901	901902	098098	102106	084084	092096
S1-2018_Urgences	551749	D0417006	S53-02	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,979	1,000	901902	901902	098098	100100	084084	096096
S1-2018_Urgences	551750	D7417001	S53-03	D	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	BC	0,851	0,689	0,961	901902	901902	098098	106106	084084	096096
S1-2018_Urgences	551759	F2617025	S53-08	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,786	XY	Loup	0,998	0,978	1,000	901902	901902	098098	106106	086086	092092
S1-2018_Urgences	551762	F3816023	S53-11	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,615	--	#NA	#NA	#NA	#NA	000000	000000	098098	100100	083084	000000
S1-2018_Urgences	551764	F3816025	S52-43	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,917	XX	Loup	0,996	0,947	1,000	901901	901901	098098	100102	084084	092092
S1-2018_Urgences	551766	F3817037	S53-09	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,786	XX	Loup	0,988	0,908	1,000	901901	901901	098098	100100	083084	092096
S1-2018_Urgences	551767	F3817079	S53-07	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,854	XY	HYBF1	0,688	0,466	0,868	000000	901902	098098	100102	090090	092096
S1-2018_Urgences	551768	F3916004	S53-10	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,703	XX	Loup	0,997	0,960	1,000	901901	901901	098098	100100	084084	096096
S1-2018_Urgences	551771	F7317002	S53-04	F	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,997	0,959	1,000	901902	901902	098098	100100	084084	092092
S1-2018_Urgences	551772	F7317036	S53-05	F	3-Exploitable	Canis lupus	italo-alpine (w22)	0,984	XY	Loup	0,998	0,980	1,000	901902	901902	098098	100106	084084	092092
S1-2018_Urgences	551780	U3816008	S53-01	U	3-Exploitable	Canis lupus	italo-alpine (w22)	0,698	XY	Loup	0,998	0,977	1,000	901902	901902	098098	100100	083084	092092
S1-2018_Urgences	551781	U3816009	S53-01	U	3-Exploitable	Canis lupus	italo-alpine (w22)	1,000	XY	Loup	0,998	0,979	1,000	901902	901902	098098	100100	083084	092092

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N° Antagene	Ref ONCFS	05-CPH02	06-FH2088	07-C09.173	08-CPH05	09-FH2004	10-CFX30371	11-CXX279	12-C09.250	13-FH2161	14-FH2140	15-INU030	16-FH2137	17-FH2054	18-C27.442	19-Dbar1	20-REN162C04	21-PEZ17	22-FH2010
543658	F0414044	000000	000000	126132	127129	000000	000000	116124	160162	000000	000000	000000	157177	000000	184184	182182	201201	000000	245245
551753	F1217009	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA
551755	F1217012	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA
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551770	F6317001	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA
551774	P0105004	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA	#NA
551779	U3816007	112114	000000	124126	127129	000000	172172	122126	000000	237267	000000	144146	157171	000000	184192	000000	000000	202202	000000
543648	F0413128	000000	096128	126132	127129	309309	172172	122122	160160	000000	130130	000000	157157	149171	184184	182182	000000	000000	000000
543657	F0414041	120120	000000	126132	129141	000000	172172	122124	174174	000000	130130	000000	181181	145149	184184	182182	199201	000000	000000
543659	F0414049	000000	000000	124126	000000	301301	000000	116116	162162	000000	000000	000000	000000	000000	000000	000000	199201	000000	000000
543693	F0515014	118120	000000	124124	127129	000000	172172	122122	162166	000000	130152	144144	000000	000000	184184	000000	000000	000000	000000
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543786	F7314049	000000	120120	124126	000000	297309	172172	116116	160162	000000	130156	144144	157177	145172	184190	182182	201201	198202	245245
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543803	F8314028	000000	000000	124124	129129	000000	172172	122124	162162	000000	000000	000000	000000	145149	184184	000000	199201	000000	000000
543806	F8415001	000000	000000	124126	127129	000000	172172	122122	162170	000000	000000	000000	000000	000000	000000	000000	201201	202202	237237
543815	1201078	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
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N° Antagene	Ref ONCFS	05-CPH02	06-FH2088	07-C09.173	08-CPH05	09-FH2004	10-CFX30371	11-CXX279	12-C09.250	13-FH2161	14-FH2140	15-INU030	16-FH2137	17-FH2054	18-C27.442	19-Dbar1	20-REN162C04	21-PEZ17	22-FH2010
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551682	F3811018	000000	000000	000000	129141	297297	172172	122122	162166	000000	130152	000000	000000	145149	184184	182182	199199	000000	245245
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551693	F6812004	000000	120120	126126	129129	000000	168172	122122	162162	000000	000000	144144	157177	149149	184184	000000	199199	198198	000000
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551707	F7313064	000000	120120	124126	129129	000000	172172	116116	162166	000000	000000	144144	000000	000000	186190	182182	000000	198198	245245
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551743	F8416008	120120	120120	126126	000000	243243	172172	124124	162166	000000	130130	144144	000000	145149	184184	182182	199201	000000	245245
551746	FIT00110981	000000	000000	124124	000000	243321	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
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N° Antagene	Ref ONCFS	05-CPH02	06-FH2088	07-C09.173	08-CPH05	09-FH2004	10-CFX30371	11-CXX279	12-C09.250	13-FH2161	14-FH2140	15-INU030	16-FH2137	17-FH2054	18-C27.442	19-Dbar1	20-REN162C04	21-PEZ17	22-FH2010
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