



LIFE4FIR – Project LIFE18 NAT/IT/000164

“Decisive in situ and ex situ conservation strategies to secure the critically endangered Sicilian fir, *Abies nebrodensis*”

**Report: List of all the hybrid seedlings to be eliminated
(Action C2.2)**

 Istituto per la Protezione Sostenibile delle Piante 
Consiglio Nazionale delle Ricerche

 Consiglio Nazionale delle Ricerche
Istituto per la BioEconomia
Dipartimento di Scienze Bio Agroalimentari

REPUBBLICA ITALIANA

REGIONE SICILIANA
ASSESSORATO REGIONALE
DELL'AGRICOLTURA, DELLO SVILUPPO RURALE
E DELLA PESCA MEDITERRANEA


Parco delle Madonie


UNIVERSITÀ
DEGLI STUDI
DI PALERMO
SAAF
DIPARTIMENTO
SCIENZE
AGRARIE
ALIMENTARI
FORESTALI

UNIVERSIDAD DE SEVILLA

U

TABLE OF CONTENTS

1. Considerations related to conservation 3
2. List of the seedlings that are recommended to be eliminated 4



LIFE18 NAT/IT/000164

1. CONSIDERATIONS RELATED TO CONSERVATION

The results of paternity analysis obtained in Action A1.2 revealed the existence of a considerable number of seedlings from the nursery originated by outcrossing with other fir species. This may compromise the implementation of reforestation plans since pure *A. nebrodensis* seedlings are planned to be used during reforestation actions. Of the analyzed seedlings, approximately half of them were found to be both parents assigned to some of the genotypes of *A. nebrodensis* adult-trees (Table 1). From these results, we have obtained a list of the seedlings growing at the nursery that must be discarded since they are not pure *A. nebrodensis*. The list of the seedlings to be eliminated from the nursery Piano Noce due to their hybrid origin or because they are not *A. nebrodensis* is shown in Table 2. These seedlings which are not suited for reforestation purposes have been separated from the pure ones and were grouped in a distinguished area of the nursery, waiting to be disposed of.

Additionally, we have found that almost all of pure *A. nebrodensis* seedlings were originated by selfing, which is reflected by the high levels of selfing and inbreeding obtained in the analyses. Thus, this situation could have a strong negative impact on the evolutionary dynamics of the population.

Table 1. Number of the sampled seedlings which paternity test showed to pure *A. nebrodensis*, or hybrid, or have an undetermined or uncertain origin. The last three categories (reported in red) are not suited for repopulation purposes and should be discarded.

1 Seedlings genetically characterized	1776 (86.5%)
a) seedlings whose parental origin was confidentially inferred	1525
a.1) both parents are <i>A. nebrodensis</i>	897
a.2) one of the parents is <i>A. nebrodensis</i> , the other is unknown (another <i>Abies</i> species), i.e. hybrid	345
a.3) both parents are unknown (other <i>Abies</i> species)	283
b) seedlings whose parental origin could not be confidentially inferred	251
2 seedlings that could not be genetically characterized	288 (13.5%)

2. LIST OF SEEDLINGS THAT ARE RECOMMENDED TO BE ELIMINATED

Table 2. List of seedlings growing at the nursery Piano Noce showing their genetic origin.

Offspring ID	Pure <i>A. nebrodensis</i> (100%)	Conservation Action
08_2013_0001	Yes	
08_2013_0002	Yes	
08_2013_0003	Yes	
08_2013_0004	Yes	
08_2013_0005	Yes	
08_2013_0006	Yes	
08_2013_0007	Hybrid	ELIMINATE
08_2013_0008	Yes	
08_2013_0009	Hybrid	ELIMINATE
08_2013_0010	Yes	
08_2013_0011	Yes	
08_2013_0012	Hybrid	ELIMINATE
08_2013_0013	Hybrid	ELIMINATE
08_2013_0014	Yes	
08_2013_0015	Yes	
08_2013_0016	Yes	
08_2013_0017	Hybrid	ELIMINATE
08_2013_0018	Yes	
08_2013_0019	Yes	
08_2013_0020	Yes	
08_2013_0021	Hybrid	ELIMINATE
08_2013_0022	Hybrid	ELIMINATE
08_2013_0023	Yes	
08_2013_0024	Yes	
08_2013_0025	Yes	
08_2013_0026	Yes	
08_2013_0027	Hybrid	ELIMINATE
08_2013_0028	Yes	
08_2013_0029	Yes	
08_2013_0030	Yes	
08_2013_0031	Yes	
08_2013_0032	Yes	

08_2013_0033	Yes	
08_2013_0034	Hybrid	ELIMINATE
08_2013_0035	Yes	
08_2013_0036	Yes	
08_2013_0037	Yes	
08_2013_0038	Yes	
08_2013_0039	Yes	
08_2013_0040	Yes	
08_2013_0041	Hybrid	ELIMINATE
08_2013_0042	Yes	
08_2013_0043	Yes	
08_2013_0044	Yes	
08_2013_0045	Hybrid	ELIMINATE
08_2013_0046	Yes	
08_2013_0047	Hybrid	ELIMINATE
08_2013_0048	Yes	
08_2013_0049	Yes	
08_2013_0050	Yes	
08_2013_0051	Hybrid	ELIMINATE
08_2013_0052	Hybrid	ELIMINATE
08_2013_0053	Yes	
08_2013_0054	Yes	
08_2013_0055	Yes	
08_2013_0056	Yes	
08_2013_0057	Hybrid	ELIMINATE
08_2013_0058	Yes	
08_2013_0059	Yes	
08_2013_0060	Yes	
08_2013_0061	Yes	
08_2013_0062	Yes	
08_2013_0063	Yes	
08_2013_0064	Yes	
08_2013_0065	Yes	
08_2013_0066	Yes	
08_2013_0067	Yes	
08_2013_0068	Yes	
08_2013_0069	Yes	
08_2013_0070	Yes	



LIFE18 NAT/IT/000164

08_2013_0071	Yes	
08_2013_0072	Yes	
08_2013_0073	Yes	
08_2013_0074	Yes	
08_2013_0075	Yes	
08_2013_0076	Yes	
08_2013_0077	Yes	
08_2013_0078	Yes	
08_2013_0079	Yes	
08_2013_0080	Yes	
08_2013_0081	Yes	
08_2013_0082	Yes	
08_2013_0083	Yes	
08_2013_0084	Yes	
08_2013_0085	Yes	
08_2013_0086	Yes	
08_2013_0087	Yes	
08_2013_0088	Yes	
08_2013_0089	Yes	
08_2013_0090	Yes	
08_2013_0091	Hybrid	ELIMINATE
08_2013_0092	Yes	
08_2013_0093	Yes	
08_2013_0094	Yes	
08_2013_0095	Yes	
08_2013_0096	Yes	
08_2013_0097	Yes	
08_2013_0098	Hybrid	ELIMINATE
08_2013_0099	Hybrid	ELIMINATE
08_2013_0100	Hybrid	ELIMINATE
10_2009_0101	Yes	
10_2009_0102	Yes	
10_2009_0103	Hybrid	ELIMINATE
10_2009_0104	Yes	
10_2009_0105	Yes	
10_2009_0106	Yes	
10_2009_0107	Yes	
10_2009_0108	Yes	



LIFE18 NAT/IT/000164

10_2009_0109	Yes	
10_2009_0110	Yes	
10_2009_0111	Yes	
10_2009_0112	Yes	
10_2009_0113	Hybrid	ELIMINATE
10_2009_0114	Yes	
10_2009_0115	Yes	
10_2009_0116	Yes	
10_2009_0117	Yes	
10_2009_0118	Yes	
10_2009_0119	Yes	
10_2009_0120	Yes	
10_2009_0121	Yes	
10_2009_0122	Yes	
10_2009_0123	Yes	
10_2009_0124	Yes	
10_2009_0125	Yes	
10_2009_0126	Yes	
10_2009_0127	Yes	
10_2009_0128	Yes	
10_2009_0129	Yes	
10_2009_0130	Yes	
10_2009_0131	Yes	
10_2009_0132	Yes	
10_2009_0133	Yes	
10_2009_0134	Yes	
10_2009_0135	Yes	
10_2009_0136	Yes	
10_2009_0137	Yes	
10_2009_0138	Yes	
10_2009_0139	Yes	
10_2009_0140	Yes	
10_2009_0141	Yes	
10_2009_0142	Yes	
10_2009_0143	Yes	
10_2009_0144	Yes	
10_2009_0145	Yes	
10_2009_0146	Yes	



LIFE18 NAT/IT/000164

10_2009_0147	Yes	
10_2009_0148	Yes	
10_2009_0149	Yes	
10_2009_0150	Yes	
10_2009_0151	Yes	
10_2009_0152	Yes	
10_2009_0153	Yes	
10_2009_0154	Yes	
10_2009_0155	Yes	
10_2009_0156	Yes	
10_2009_0157	Yes	
10_2009_0158	Yes	
10_2009_0159	Yes	
10_2009_0160	Yes	
10_2009_0161	Yes	
10_2009_0162	Yes	
10_2009_0163	Yes	
10_2009_0164	Yes	
10_2009_0165	Yes	
10_2009_0166	Yes	
10_2009_0167	Yes	
10_2009_0168	Yes	
10_2009_0169	Yes	
10_2009_0170	Yes	
10_2009_0171	Yes	
10_2009_0172	Yes	
10_2009_0173	Yes	
10_2009_0174	Yes	
10_2009_0175	Yes	
10_2009_0176	Yes	
10_2009_0177	Uncertain origin	ELIMINATE
10_2009_0178	Yes	
10_2009_0179	Yes	
10_2009_0180	Yes	
10_2009_0181	Yes	
10_2009_0182	Yes	
10_2009_0183	Yes	
10_2009_0184	Yes	

10_2009_0185	Yes	
10_2009_0186	Yes	
10_2009_0187	Yes	
10_2009_0188	Yes	
10_2009_0189	Yes	
10_2009_0190	Yes	
10_2009_0191	Yes	
10_2009_0192	Yes	
10_2009_0193	Yes	
10_2009_0194	Yes	
10_2009_0195	Yes	
10_2009_0196	Yes	
10_2009_0197	Yes	
10_2009_0198	Yes	
10_2009_0199	Yes	
10_2009_0201	Yes	
10_2009_0202	Uncertain origin	ELIMINATE
10_2009_0203	Yes	
10_2009_0204	Yes	
10_2009_0205	Unknown parents	ELIMINATE
10_2009_0206	Yes	
10_2009_0207	Yes	
10_2009_0208	Yes	
10_2009_0209	Yes	
10_2009_0210	Uncertain origin	ELIMINATE
10_2009_0211	Hybrid	ELIMINATE
10_2009_0212	Uncertain origin	ELIMINATE
10_2009_0213	Yes	
10_2009_0214	Yes	
10_2009_0215	Hybrid	ELIMINATE
10_2009_0216	Yes	
10_2009_0217	Yes	
10_2009_0218	Yes	
10_2009_0219	Yes	
10_2009_0220	Hybrid	ELIMINATE
10_2009_0221	Hybrid	ELIMINATE
10_2009_0222	Yes	
10_2009_0223	Yes	



LIFE18 NAT/IT/000164

10_2009_0224	Yes	
10_2009_0225	Yes	
10_2009_0226	Uncertain origin	ELIMINATE
10_2009_0227	Yes	
10_2009_0228	Yes	
10_2009_0229	Yes	
10_2009_0230	Yes	
10_2009_0231	Yes	
10_2009_0232	Yes	
10_2009_0233	Yes	
10_2009_0234	Yes	
10_2009_0235	Yes	
10_2009_0236	Yes	
10_2009_0237	Yes	
10_2009_0238	Uncertain origin	ELIMINATE
10_2009_0239	Yes	
10_2009_0240	Uncertain origin	ELIMINATE
10_2009_0241	Yes	
10_2009_0242	Yes	
10_2009_0243	Uncertain origin	ELIMINATE
10_2009_0244	Uncertain origin	ELIMINATE
10_2009_0245	Uncertain origin	ELIMINATE
10_2009_0246	Uncertain origin	ELIMINATE
10_2009_0247	Uncertain origin	ELIMINATE
10_2009_0248	Uncertain origin	ELIMINATE
10_2009_0249	Uncertain origin	ELIMINATE
10_2009_0250	Uncertain origin	
11_2008_0251	Unknown parents	ELIMINATE
11_2008_0252	Unknown parents	ELIMINATE
11_2008_0253	Yes	ELIMINATE
11_2008_0254	Yes	
11_2008_0255	Yes	
11_2008_0256	Yes	
11_2008_0257	Yes	
11_2008_0258	Unknown parents	ELIMINATE
11_2008_0259	Unknown parents	ELIMINATE
11_2008_0260	Unknown parents	ELIMINATE
11_2008_0261	Unknown parents	ELIMINATE

11_2008_0262	Hybrid	ELIMINATE
11_2008_0263	Hybrid	ELIMINATE
11_2008_0264	Unknown parents	ELIMINATE
11_2008_0265	Hybrid	ELIMINATE
11_2008_0266	Unknown parents	ELIMINATE
11_2008_0267	Unknown parents	ELIMINATE
11_2008_0268	Yes	
11_2008_0269	Unknown parents	ELIMINATE
11_2008_0270	Unknown parents	ELIMINATE
11_2008_0271	Unknown parents	ELIMINATE
11_2008_0272	Hybrid	ELIMINATE
11_2008_0273	Unknown parents	ELIMINATE
11_2008_0274	Yes	
11_2008_0275	Hybrid	ELIMINATE
11_2008_0276	Yes	
11_2008_0277	Unknown parents	ELIMINATE
11_2008_0278	Unknown parents	ELIMINATE
11_2008_0279	Unknown parents	ELIMINATE
11_2008_0280	Unknown parents	ELIMINATE
11_2008_0281	Unknown parents	ELIMINATE
11_2008_0282	Yes	
11_2008_0283	Unknown parents	ELIMINATE
11_2008_0284	Unknown parents	ELIMINATE
11_2008_0285	Hybrid	ELIMINATE
11_2008_0286	Uncertain origin	
11_2008_0287	Hybrid	ELIMINATE
11_2008_0288	Unknown parents	ELIMINATE
11_2008_0289	Yes	
11_2008_0290	Unknown parents	ELIMINATE
11_2008_0291	Hybrid	ELIMINATE
11_2008_0292	Uncertain origin	
11_2008_0293	Hybrid	ELIMINATE
11_2008_0294	Unknown parents	ELIMINATE
11_2008_0295	Unknown parents	ELIMINATE
11_2008_0296	Unknown parents	ELIMINATE
11_2008_0297	Yes	
11_2008_0298	Yes	
11_2008_0299	Unknown parents	ELIMINATE

11_2008_0300	Unknown parents	ELIMINATE
11_2008_0301	Yes	
11_2008_0302	Unknown parents	ELIMINATE
11_2008_0303	Unknown parents	ELIMINATE
11_2008_0304	Unknown parents	ELIMINATE
11_2008_0305	Unknown parents	ELIMINATE
11_2008_0306	Yes	
11_2008_0307	Yes	
11_2008_0308	Yes	
11_2008_0309	Hybrid	ELIMINATE
11_2008_0310	Yes	
11_2008_0311	Yes	
11_2008_0312	Yes	
11_2008_0313	Unknown parents	ELIMINATE
11_2008_0314	Hybrid	ELIMINATE
11_2008_0315	Unknown parents	ELIMINATE
11_2008_0316	Unknown parents	ELIMINATE
11_2008_0317	Yes	
11_2008_0318	Unknown parents	ELIMINATE
11_2008_0319	Hybrid	ELIMINATE
11_2008_0320	Unknown parents	ELIMINATE
11_2008_0321	Yes	
11_2008_0322	Unknown parents	ELIMINATE
11_2008_0323	Unknown parents	ELIMINATE
11_2008_0324	Unknown parents	ELIMINATE
11_2008_0325	Yes	
11_2008_0326	Unknown parents	ELIMINATE
11_2008_0327	Hybrid	ELIMINATE
11_2008_0328	Uncertain origin	ELIMINATE
11_2008_0329	Unknown parents	ELIMINATE
11_2008_0330	Unknown parents	ELIMINATE
11_2008_0331	Unknown parents	ELIMINATE
11_2008_0332	Yes	
11_2008_0333	Hybrid	ELIMINATE
11_2008_0334	Yes	
11_2008_0335	Hybrid	ELIMINATE
11_2008_0336	Unknown parents	ELIMINATE
11_2008_0337	Yes	

11_2008_0338	Hybrid	ELIMINATE
11_2008_0339	Unknown parents	ELIMINATE
11_2008_0340	Unknown parents	ELIMINATE
11_2008_0341	Hybrid	ELIMINATE
11_2008_0342	Unknown parents	ELIMINATE
11_2008_0343	Unknown parents	ELIMINATE
11_2008_0344	Unknown parents	ELIMINATE
11_2008_0345	Hybrid	ELIMINATE
11_2008_0346	Unknown parents	ELIMINATE
11_2008_0347	Unknown parents	ELIMINATE
11_2008_0348	Yes	
11_2008_0349	Yes	
11_2008_0350	Unknown parents	ELIMINATE
11_2008_0351	Unknown parents	ELIMINATE
11_2008_0352	Hybrid	ELIMINATE
11_2008_0353	Unknown parents	ELIMINATE
11_2008_0354	Unknown parents	ELIMINATE
11_2008_0355	Unknown parents	ELIMINATE
11_2008_0356	Unknown parents	ELIMINATE
11_2008_0357	Unknown parents	ELIMINATE
11_2008_0358	Unknown parents	ELIMINATE
11_2008_0359	Hybrid	ELIMINATE
11_2008_0360	Unknown parents	ELIMINATE
11_2008_0361	Hybrid	ELIMINATE
11_2008_0362	Unknown parents	ELIMINATE
11_2008_0363	Unknown parents	ELIMINATE
11_2008_0364	Unknown parents	ELIMINATE
11_2008_0365	Unknown parents	ELIMINATE
11_2008_0366	Unknown parents	ELIMINATE
11_2008_0367	Yes	
11_2008_0368	Unknown parents	ELIMINATE
11_2008_0369	Unknown parents	ELIMINATE
11_2008_0370	Unknown parents	ELIMINATE
11_2008_0371	Unknown parents	ELIMINATE
11_2008_0372	Unknown parents	ELIMINATE
11_2008_0373	Unknown parents	ELIMINATE
11_2008_0374	Unknown parents	ELIMINATE
11_2008_0375	Yes	

11_2008_0376	Hybrid	ELIMINATE
11_2008_0377	Unknown parents	ELIMINATE
11_2008_0378	Unknown parents	ELIMINATE
11_2008_0379	Yes	
11_2008_0380	Unknown parents	ELIMINATE
11_2008_0381	Unknown parents	ELIMINATE
11_2008_0382	Unknown parents	ELIMINATE
11_2008_0383	Unknown parents	ELIMINATE
11_2008_0384	Unknown parents	ELIMINATE
11_2008_0385	Unknown parents	ELIMINATE
11_2008_0387	Hybrid	ELIMINATE
11_2008_0388	Unknown parents	ELIMINATE
11_2008_0389	Unknown parents	ELIMINATE
11_2008_0390	Unknown parents	ELIMINATE
11_2008_0392	Hybrid	ELIMINATE
11_2008_0393	Yes	
11_2008_0394	Unknown parents	ELIMINATE
11_2008_0395	Yes	
11_2008_0396	Unknown parents	ELIMINATE
11_2008_0397	Unknown parents	ELIMINATE
11_2008_0398	Hybrid	ELIMINATE
11_2008_0399	Unknown parents	ELIMINATE
11_2008_0400	Unknown parents	ELIMINATE
11_2008_0401	Unknown parents	ELIMINATE
11_2008_0402	Yes	
11_2008_0403	Unknown parents	ELIMINATE
11_2008_0404	Hybrid	ELIMINATE
11_2008_0405	Unknown parents	ELIMINATE
11_2008_0406	Yes	
11_2008_0407	Unknown parents	ELIMINATE
11_2008_0408	Yes	
11_2008_0409	Yes	
11_2008_0410	Hybrid	ELIMINATE
11_2008_0411	Unknown parents	ELIMINATE
11_2008_0412	Hybrid	ELIMINATE
11_2008_0413	Unknown parents	ELIMINATE
11_2008_0414	Yes	
11_2008_0415	Unknown parents	ELIMINATE

11_2008_0416	Yes	
11_2008_0417	Hybrid	ELIMINATE
11_2008_0418	Unknown parents	ELIMINATE
11_2008_0419	Hybrid	ELIMINATE
11_2008_0420	Unknown parents	ELIMINATE
11_2008_0421	Unknown parents	ELIMINATE
11_2008_0422	Unknown parents	ELIMINATE
11_2008_0423	Unknown parents	ELIMINATE
11_2008_0424	Hybrid	ELIMINATE
11_2008_0425	Unknown parents	ELIMINATE
11_2008_0426	Hybrid	ELIMINATE
11_2008_0427	Unknown parents	ELIMINATE
11_2008_0428	Unknown parents	ELIMINATE
11_2008_0429	Yes	
11_2008_0430	Yes	
11_2009_0431	Unknown parents	ELIMINATE
11_2009_0432	Unknown parents	ELIMINATE
11_2009_0434	Unknown parents	ELIMINATE
11_2009_0435	Unknown parents	ELIMINATE
11_2009_0437	Yes	
11_2009_0439	Unknown parents	ELIMINATE
11_2009_0441	Hybrid	ELIMINATE
11_2009_0442	Unknown parents	ELIMINATE
11_2009_0443	Hybrid	ELIMINATE
11_2009_0444	Unknown parents	ELIMINATE
11_2009_0445	Yes	
11_2009_0446	Unknown parents	ELIMINATE
11_2009_0447	Unknown parents	ELIMINATE
11_2009_0448	Unknown parents	ELIMINATE
11_2009_0449	Hybrid	ELIMINATE
11_2009_0450	Unknown parents	ELIMINATE
11_2009_0451	Unknown parents	ELIMINATE
11_2009_0453	Yes	
11_2009_0454	Unknown parents	ELIMINATE
11_2009_0455	Unknown parents	ELIMINATE
11_2009_0456	Yes	
11_2009_0457	Yes	
11_2009_0458	Unknown parents	ELIMINATE

11_2009_0460	Unknown parents	ELIMINATE
11_2009_0462	Unknown parents	ELIMINATE
11_2009_0463	Hybrid	ELIMINATE
11_2009_0465	Yes	
11_2009_0467	Yes	
11_2009_0468	Unknown parents	ELIMINATE
11_2009_0471	Hybrid	ELIMINATE
11_2009_0473	Unknown parents	ELIMINATE
11_2009_0474	Yes	
11_2009_0475	Hybrid	ELIMINATE
11_2009_0476	Hybrid	ELIMINATE
11_2009_0477	Yes	
11_2009_0479	Hybrid	ELIMINATE
11_2009_0482	Unknown parents	ELIMINATE
11_2009_0483	Unknown parents	ELIMINATE
11_2009_0484	Unknown parents	ELIMINATE
11_2009_0485	Uncertain origin	ELIMINATE
11_2009_0486	Unknown parents	ELIMINATE
11_2009_0487	Unknown parents	ELIMINATE
11_2009_0488	Unknown parents	ELIMINATE
11_2009_0489	Unknown parents	ELIMINATE
11_2009_0491	Unknown parents	ELIMINATE
11_2009_0492	Yes	
11_2009_0493	Uncertain origin	ELIMINATE
11_2009_0494	Hybrid	ELIMINATE
11_2009_0495	Hybrid	ELIMINATE
11_2009_0496	Unknown parents	ELIMINATE
11_2009_0497	Unknown parents	ELIMINATE
11_2009_0498	Unknown parents	ELIMINATE
11_2009_0499	Yes	
11_2009_0500	Unknown parents	ELIMINATE
11_2009_0501	Hybrid	ELIMINATE
11_2009_0502	Uncertain origin	ELIMINATE
11_2009_0503	Unknown parents	ELIMINATE
11_2009_0504	Yes	
11_2009_0505	Unknown parents	ELIMINATE
11_2009_0506	Unknown parents	ELIMINATE
11_2009_0507	Unknown parents	ELIMINATE

11_2009_0508	Unknown parents	ELIMINATE
11_2009_0509	Yes	
11_2009_0510	Hybrid	ELIMINATE
11_2009_0511	Unknown parents	ELIMINATE
11_2009_0512	Unknown parents	ELIMINATE
11_2009_0513	Unknown parents	ELIMINATE
11_2009_0514	Unknown parents	ELIMINATE
11_2009_0515	Uncertain origin	ELIMINATE
11_2009_0516	Unknown parents	ELIMINATE
11_2009_0517	Uncertain origin	ELIMINATE
11_2009_0518	Yes	
11_2009_0519	Unknown parents	ELIMINATE
11_2009_0520	Hybrid	ELIMINATE
11_2009_0521	Unknown parents	ELIMINATE
11_2009_0522	Unknown parents	ELIMINATE
11_2009_0523	Unknown parents	ELIMINATE
11_2009_0524	Unknown parents	ELIMINATE
11_2009_0525	Unknown parents	ELIMINATE
11_2009_0526	Hybrid	ELIMINATE
11_2009_0527	Hybrid	ELIMINATE
11_2009_0528	Unknown parents	ELIMINATE
11_2009_0530	Unknown parents	ELIMINATE
11_2009_0531	Unknown parents	ELIMINATE
11_2009_0532	Yes	
11_2009_0533	Hybrid	ELIMINATE
11_2009_0534	Yes	
11_2009_0535	Yes	
11_2009_0536	Unknown parents	ELIMINATE
11_2009_0537	Hybrid	ELIMINATE
11_2009_0538	Unknown parents	ELIMINATE
11_2009_0539	Yes	
11_2009_0540	Unknown parents	ELIMINATE
11_2009_0541	Yes	
11_2009_0542	Unknown parents	ELIMINATE
11_2009_0543	Hybrid	ELIMINATE
11_2009_0544	Unknown parents	ELIMINATE
11_2009_0545	Uncertain origin	ELIMINATE
11_2009_0546	Hybrid	ELIMINATE

11_2009_0547	Yes	
11_2009_0548	Yes	
11_2009_0549	Unknown parents	ELIMINATE
11_2009_0550	Hybrid	ELIMINATE
11_2009_0551	Hybrid	ELIMINATE
11_2009_0552	Unknown parents	ELIMINATE
11_2009_0553	Hybrid	ELIMINATE
11_2009_0554	Hybrid	ELIMINATE
11_2009_0555	Hybrid	ELIMINATE
11_2009_0556	Unknown parents	ELIMINATE
11_2009_0557	Hybrid	ELIMINATE
11_2009_0558	Yes	
11_2009_0559	Hybrid	ELIMINATE
11_2009_0560	Hybrid	ELIMINATE
11_2009_0561	Hybrid	ELIMINATE
11_2009_0562	Unknown parents	ELIMINATE
11_2009_0563	Hybrid	ELIMINATE
11_2009_0564	Hybrid	ELIMINATE
11_2009_0565	Hybrid	ELIMINATE
11_2009_0566	Hybrid	ELIMINATE
11_2009_0567	Hybrid	ELIMINATE
11_2009_0568	Hybrid	ELIMINATE
11_2009_0569	Hybrid	ELIMINATE
11_2009_0570	Hybrid	ELIMINATE
11_2009_0571	Hybrid	ELIMINATE
11_2009_0572	Hybrid	ELIMINATE
11_2009_0573	Hybrid	ELIMINATE
11_2009_0574	Hybrid	ELIMINATE
11_2009_0575	Hybrid	ELIMINATE
11_2009_0576	Hybrid	ELIMINATE
11_2009_0577	Hybrid	ELIMINATE
11_2009_0578	Unknown parents	ELIMINATE
11_2009_0579	Yes	
11_2009_0580	Hybrid	ELIMINATE
11_2009_0581	Yes	
11_2009_0582	Hybrid	ELIMINATE
11_2009_0583	Hybrid	ELIMINATE
11_2009_0584	Hybrid	ELIMINATE

11_2009_0585	Yes	
11_2009_0586	Hybrid	ELIMINATE
11_2009_0588	Hybrid	ELIMINATE
11_2009_0589	Hybrid	ELIMINATE
11_2009_0591	Hybrid	ELIMINATE
11_2009_0592	Hybrid	ELIMINATE
11_2009_0593	Yes	
11_2009_0594	Unknown parents	ELIMINATE
11_2009_0595	Yes	
11_2009_0596	Uncertain origin	ELIMINATE
11_2009_0597	Unknown parents	ELIMINATE
11_2009_0598	Hybrid	ELIMINATE
11_2009_0599	Unknown parents	ELIMINATE
11_2009_0600	Yes	
11_2009_0601	Unknown parents	ELIMINATE
11_2009_0602	Unknown parents	ELIMINATE
11_2009_0603	Unknown parents	ELIMINATE
11_2009_0604	Unknown parents	ELIMINATE
11_2009_0605	Unknown parents	ELIMINATE
11_2009_0606	Hybrid	ELIMINATE
11_2009_0607	Unknown parents	ELIMINATE
11_2009_0608	Yes	
11_2009_0609	Yes	
11_2009_0610	Unknown parents	ELIMINATE
11_2010_0611	Unknown parents	ELIMINATE
11_2010_0612	Unknown parents	ELIMINATE
11_2010_0613	Unknown parents	ELIMINATE
11_2010_0614	Yes	
11_2010_0615	Unknown parents	ELIMINATE
11_2010_0616	Unknown parents	ELIMINATE
11_2010_0617	Unknown parents	ELIMINATE
11_2010_0618	Yes	
11_2010_0619	Yes	
11_2010_0620	Hybrid	ELIMINATE
11_2010_0621	Hybrid	ELIMINATE
11_2010_0622	Hybrid	ELIMINATE
11_2010_0623	Hybrid	ELIMINATE
11_2010_0624	Yes	

11_2010_0625	Yes	
11_2010_0626	Yes	
11_2010_0627	Hybrid	ELIMINATE
11_2010_0628	Hybrid	ELIMINATE
11_2010_0629	Unknown parents	ELIMINATE
11_2010_0630	Unknown parents	ELIMINATE
11_2010_0631	Unknown parents	ELIMINATE
11_2010_0632	Yes	
11_2010_0634	Yes	
11_2010_0635	Unknown parents	ELIMINATE
11_2010_0636	Unknown parents	ELIMINATE
11_2010_0637	Unknown parents	ELIMINATE
11_2010_0638	Yes	
11_2010_0639	Hybrid	ELIMINATE
11_2010_0640	Unknown parents	ELIMINATE
11_2010_0641	Hybrid	ELIMINATE
11_2010_0642	Unknown parents	ELIMINATE
11_2010_0643	Yes	
11_2010_0644	Unknown parents	ELIMINATE
11_2010_0645	Yes	
11_2010_0646	Yes	
11_2010_0647	Unknown parents	ELIMINATE
11_2010_0648	Unknown parents	ELIMINATE
11_2010_0650	Yes	
11_2010_0651	Yes	
11_2010_0652	Unknown parents	ELIMINATE
11_2010_0653	Hybrid	ELIMINATE
11_2010_0654	Unknown parents	ELIMINATE
11_2010_0655	Yes	
11_2010_0656	Yes	
11_2010_0657	Yes	
11_2010_0658	Unknown parents	ELIMINATE
11_2010_0659	Unknown parents	ELIMINATE
11_2010_0660	Unknown parents	ELIMINATE
11_2010_0661	Unknown parents	ELIMINATE
11_2010_0662	Hybrid	ELIMINATE
11_2010_0663	Yes	
11_2010_0664	Unknown parents	ELIMINATE



LIFE18 NAT/IT/000164

11_2010_0665	Yes	
11_2010_0666	Unknown parents	ELIMINATE
11_2010_0667	Unknown parents	ELIMINATE
11_2010_0668	Unknown parents	ELIMINATE
11_2010_0669	Uncertain origin	ELIMINATE
11_2010_0670	Yes	
11_2010_0671	Unknown parents	ELIMINATE
11_2010_0672	Hybrid	ELIMINATE
11_2010_0673	Uncertain origin	ELIMINATE
11_2010_0674	Uncertain origin	ELIMINATE
11_2010_0675	Yes	
11_2010_0676	Yes	
11_2010_0677	Yes	
11_2010_0678	Uncertain origin	
11_2010_0679	Yes	
11_2010_0680	Uncertain origin	
11_2010_0683	Yes	
11_2010_0684	Hybrid	ELIMINATE
11_2010_0685	Uncertain origin	ELIMINATE
11_2010_0686	Uncertain origin	ELIMINATE
11_2010_0687	Yes	
11_2010_0688	Unknown parents	ELIMINATE
11_2010_0689	Yes	
11_2010_0690	Yes	
11_2010_0691	Yes	
11_2010_0692	Yes	
11_2010_0693	Yes	
11_2010_0694	Yes	
11_2010_0695	Hybrid	ELIMINATE
11_2010_0696	Hybrid	ELIMINATE
11_2010_0697	Unknown parents	ELIMINATE
11_2010_0698	Unknown parents	ELIMINATE
11_2010_0699	Unknown parents	ELIMINATE
11_2010_0701	Yes	
11_2010_0702	Unknown parents	ELIMINATE
11_2010_0703	Unknown parents	ELIMINATE
11_2010_0704	Unknown parents	ELIMINATE
11_2010_0705	Unknown parents	ELIMINATE

11_2010_0706	Unknown parents	ELIMINATE
11_2010_0707	Unknown parents	ELIMINATE
11_2010_0708	Unknown parents	ELIMINATE
11_2010_0709	Unknown parents	ELIMINATE
11_2010_0710	Yes	
11_2010_0711	Yes	
11_2010_0712	Unknown parents	ELIMINATE
11_2010_0713	Unknown parents	ELIMINATE
11_2010_0714	Yes	
11_2010_0716	Yes	
11_2010_0717	Unknown parents	ELIMINATE
11_2010_0718	Hybrid	ELIMINATE
11_2010_0719	Unknown parents	ELIMINATE
11_2010_0720	Unknown parents	ELIMINATE
11_2010_0721	Unknown parents	ELIMINATE
11_2010_0722	Unknown parents	ELIMINATE
11_2010_0723	Unknown parents	ELIMINATE
11_2010_0724	Unknown parents	ELIMINATE
11_2010_0725	Unknown parents	ELIMINATE
11_2010_0726	Yes	
11_2010_0727	Unknown parents	ELIMINATE
11_2010_0728	Yes	
11_2010_0730	Hybrid	ELIMINATE
11_2010_0731	Unknown parents	ELIMINATE
11_2010_0732	Hybrid	ELIMINATE
11_2010_0733	Unknown parents	ELIMINATE
11_2010_0734	Yes	
11_2010_0735	Hybrid	ELIMINATE
11_2010_0736	Hybrid	ELIMINATE
11_2010_0737	Yes	
11_2010_0739	Unknown parents	ELIMINATE
11_2010_0740	Unknown parents	ELIMINATE
11_2010_0741	Yes	
11_2010_0742	Uncertain origin	ELIMINATE
11_2010_0743	Unknown parents	ELIMINATE
11_2010_0744	Yes	
11_2010_0745	Yes	
11_2010_0746	Unknown parents	ELIMINATE

11_2010_0747	Unknown parents	ELIMINATE
11_2010_0748	Yes	
11_2010_0749	Uncertain origin	ELIMINATE
11_2010_0750	Unknown parents	ELIMINATE
11_2010_0751	Unknown parents	ELIMINATE
11_2010_0752	Unknown parents	ELIMINATE
11_2010_0753	Unknown parents	ELIMINATE
11_2010_0754	Unknown parents	ELIMINATE
11_2010_0755	Unknown parents	ELIMINATE
11_2010_0756	Unknown parents	ELIMINATE
11_2010_0757	Yes	
11_2010_0758	Yes	
11_2010_0759	Unknown parents	ELIMINATE
11_2010_0760	Yes	
11_2010_0761	Unknown parents	ELIMINATE
11_2010_0762	Yes	
11_2010_0763	Yes	
11_2010_0764	Yes	
11_2010_0765	Hybrid	ELIMINATE
11_2010_0766	Hybrid	ELIMINATE
11_2010_0767	Hybrid	ELIMINATE
11_2010_0768	Yes	
11_2010_0769	Yes	
11_2010_0774	Yes	
11_2010_0775	Yes	
11_2010_0776	Yes	
11_2010_0777	Yes	
11_2010_0782	Hybrid	ELIMINATE
11_2010_0783	Hybrid	ELIMINATE
11_2010_0784	Yes	
11_2010_0785	Unknown parents	ELIMINATE
11_2010_0790	Hybrid	ELIMINATE
12_2019_0792	Yes	
12_2019_0793	Yes	
12_2019_0798	Yes	
12_2019_0799	Yes	
12_2019_0800	Yes	
12_2019_0801	Yes	

12_2019_0806	Yes	
12_2019_0807	Yes	
12_2019_0808	Yes	
12_2019_0809	Yes	
12_2019_0814	Yes	
12_2019_0815	Hybrid	ELIMINATE
12_2019_0816	Hybrid	ELIMINATE
12_2019_0817	Yes	
12_2019_0818	Yes	
12_2019_0819	Yes	
12_2019_0820	Hybrid	ELIMINATE
12_2019_0821	Yes	
12_2019_0822	Yes	
12_2019_0823	Hybrid	ELIMINATE
12_2019_0824	Hybrid	ELIMINATE
12_2019_0827	Hybrid	ELIMINATE
12_2019_0828	Yes	
12_2019_0829	Yes	
12_2019_0830	Yes	
12_2019_0831	Yes	
12_2019_0832	Yes	
12_2019_0833	Yes	
12_2019_0834	Yes	
12_2019_0835	Yes	
12_2019_0836	Uncertain origin	ELIMINATE
12_2019_0836	Uncertain origin	ELIMINATE
12_2019_0837	Yes	
12_2019_0838	Yes	
12_2019_0839	Yes	
12_2019_0840	Yes	
12_2019_0841	Yes	
12_2019_0842	Yes	
12_2019_0843	Yes	
12_2019_0844	Yes	
12_2019_0845	Yes	
12_2019_0846	Yes	
12_2019_0847	Yes	
12_2019_0848	Yes	

12_2019_0849	Yes	
12_2019_0850	Yes	
12_2019_0851	Yes	
12_2019_0852	Yes	
12_2019_0853	Yes	
12_2019_0854	Hybrid	ELIMINATE
12_2019_0855	Yes	
12_2019_0856	Yes	
12_2019_0857	Yes	
12_2019_0858	Yes	
12_2019_0859	Yes	
12_2019_0860	Yes	
12_2019_0861	Yes	
12_2019_0862	Yes	
12_2019_0863	Yes	
12_2019_0864	Yes	
12_2019_0865	Yes	
12_2019_0866	Yes	
12_2019_0867	Yes	
12_2019_0868	Yes	
12_2019_0870	Yes	
12_2019_0872	Yes	
12_2019_0873	Yes	
12_2019_0874	Yes	
12_2019_0875	Yes	
12_2019_0876	Uncertain origin	ELIMINATE
12_2019_0876	Uncertain origin	ELIMINATE
12_2019_0877	Yes	
12_2019_0878	Hybrid	ELIMINATE
12_2019_0879	Yes	
12_2019_0880	Yes	
12_2019_0881	Yes	
12_2019_0882	Yes	
12_2019_0883	Yes	
12_2019_0884	Yes	
12_2019_0885	Yes	
12_2019_0886	Uncertain origin	ELIMINATE
12_2019_0886	Uncertain origin	ELIMINATE

12_2019_0887	Yes	
12_2019_0888	Yes	
12_2019_0889	Yes	
12_2019_0890	Yes	
12_2019_0891	Yes	
12_2019_0892	Yes	
12_2019_0893	Yes	
12_2019_0894	Yes	
12_2019_0895	Yes	
12_2019_0896	Yes	
12_2019_0897	Yes	
12_2019_0898	Hybrid	ELIMINATE
12_2019_0899	Yes	
12_2019_0900	Yes	
12_2019_0901	Yes	
12_2019_0902	Yes	
12_2019_0903	Yes	
12_2019_0904	Yes	
12_2019_0905	Yes	
12_2019_0906	Yes	
12_2019_0907	Yes	
12_2019_0908	Yes	
12_2019_0909	Yes	
12_2019_0910	Yes	
12_2019_0911	Yes	
12_2019_0912	Yes	
12_2019_0913	Yes	
12_2019_0914	Yes	
12_2019_0915	Uncertain origin	ELIMINATE
12_2019_0915	Uncertain origin	ELIMINATE
12_2019_0916	Yes	
12_2019_0917	Yes	
12_2019_0918	Yes	
12_2019_0919	Yes	
12_2019_0920	Yes	
12_2019_0921	Yes	
12_2019_0922	Yes	
12_2019_0923	Yes	

12_2019_0924	Yes	
12_2019_0925	Yes	
12_2019_0926	Yes	
12_2019_0927	Yes	
12_2019_0928	Yes	
12_2019_0930	Yes	
12_2019_0931	Uncertain origin	
12_2019_0932	Yes	
12_2019_0933	Yes	
12_2019_0934	Yes	
12_2019_0935	Yes	
12_2019_0936	Yes	
12_2019_0938	Yes	
12_2019_0939	Yes	
12_2019_0940	Yes	
13_2008_0941	Hybrid	ELIMINATE
13_2008_0942	Yes	
13_2008_0943	Hybrid	ELIMINATE
13_2008_0945	Hybrid	ELIMINATE
13_2008_0946	Yes	
13_2008_0947	Hybrid	ELIMINATE
13_2008_0948	Yes	
13_2008_0949	Hybrid	ELIMINATE
13_2008_0950	Hybrid	ELIMINATE
13_2008_0951	Hybrid	ELIMINATE
13_2008_0952	Unknown parents	ELIMINATE
13_2008_0953	Yes	
13_2008_0954	Hybrid	ELIMINATE
13_2008_0955	Hybrid	ELIMINATE
13_2008_0956	Hybrid	ELIMINATE
13_2008_0957	Hybrid	ELIMINATE
13_2008_0958	Hybrid	ELIMINATE
13_2008_0959	Hybrid	ELIMINATE
13_2008_0960	Hybrid	ELIMINATE
13_2008_0961	Hybrid	ELIMINATE
13_2008_0962	Unknown parents	ELIMINATE
13_2008_0963	Yes	
13_2008_0964	Hybrid	ELIMINATE

13_2008_0965	Yes	
13_2008_0966	Hybrid	ELIMINATE
13_2008_0967	Hybrid	ELIMINATE
13_2008_0968	Hybrid	ELIMINATE
13_2008_0969	Hybrid	ELIMINATE
13_2008_0970	Hybrid	ELIMINATE
13_2008_0971	Hybrid	ELIMINATE
13_2008_0972	Hybrid	ELIMINATE
13_2008_0973	Yes	
13_2008_0974	Unknown parents	ELIMINATE
13_2008_0975	Hybrid	ELIMINATE
13_2008_0976	Unknown parents	ELIMINATE
13_2008_0977	Hybrid	ELIMINATE
13_2008_0978	Hybrid	ELIMINATE
13_2008_0980	Hybrid	ELIMINATE
13_2008_0981	Hybrid	ELIMINATE
13_2008_0982	Unknown parents	ELIMINATE
13_2008_0983	Unknown parents	ELIMINATE
13_2008_0984	Hybrid	ELIMINATE
13_2008_0985	Hybrid	ELIMINATE
13_2008_0986	Hybrid	ELIMINATE
13_2008_0987	Hybrid	ELIMINATE
13_2008_0988	Yes	
13_2008_0989	Hybrid	ELIMINATE
13_2008_0990	Hybrid	ELIMINATE
13_2008_0991	Yes	
13_2008_0993	Unknown parents	ELIMINATE
13_2008_0994	Hybrid	ELIMINATE
13_2008_0995	Hybrid	ELIMINATE
13_2008_0996	Hybrid	ELIMINATE
13_2008_0997	Hybrid	ELIMINATE
13_2008_0998	Hybrid	ELIMINATE
13_2008_0999	Unknown parents	ELIMINATE
13_2008_1000	Hybrid	ELIMINATE
13_2008_1001	Hybrid	ELIMINATE
13_2008_1002	Unknown parents	ELIMINATE
13_2008_1003	Hybrid	ELIMINATE
13_2008_1004	Unknown parents	ELIMINATE

13_2008_1005	Unknown parents	ELIMINATE
13_2008_1007	Yes	
13_2008_1008	Hybrid	ELIMINATE
13_2008_1009	Hybrid	ELIMINATE
13_2008_1010	Uncertain origin	ELIMINATE
13_2008_1011	Hybrid	ELIMINATE
13_2008_1012	Hybrid	ELIMINATE
13_2008_1013	Hybrid	ELIMINATE
13_2008_1014	Yes	
13_2008_1015	Hybrid	ELIMINATE
13_2008_1016	Hybrid	ELIMINATE
13_2008_1017	Yes	
13_2008_1018	Hybrid	ELIMINATE
13_2008_1019	Hybrid	ELIMINATE
13_2008_1020	Yes	
13_2008_1021	Hybrid	ELIMINATE
13_2008_1022	Hybrid	ELIMINATE
13_2008_1023	Hybrid	ELIMINATE
13_2008_1024	Uncertain origin	ELIMINATE
13_2008_1025	Yes	
13_2008_1026	Hybrid	ELIMINATE
13_2008_1027	Unknown parents	ELIMINATE
13_2008_1028	Hybrid	ELIMINATE
13_2008_1029	Uncertain origin	ELIMINATE
13_2008_1030	Hybrid	ELIMINATE
13_2008_1031	Hybrid	ELIMINATE
13_2008_1032	Unknown parents	ELIMINATE
13_2008_1033	Unknown parents	ELIMINATE
13_2008_1034	Hybrid	ELIMINATE
13_2008_1035	Hybrid	ELIMINATE
13_2008_1036	Unknown parents	ELIMINATE
13_2008_1037	Hybrid	ELIMINATE
13_2008_1039	Hybrid	ELIMINATE
13_2008_1040	Unknown parents	ELIMINATE
13_2008_1041	Hybrid	ELIMINATE
13_2008_1042	Unknown parents	ELIMINATE
13_2008_1043	Yes	
13_2008_1044	Hybrid	ELIMINATE

13_2008_1045	Hybrid	ELIMINATE
13_2008_1046	Yes	
13_2008_1050	Unknown parents	ELIMINATE
13_2008_1051	Hybrid	ELIMINATE
13_2008_1052	Hybrid	ELIMINATE
13_2008_1054	Hybrid	ELIMINATE
13_2008_1055	Uncertain origin	ELIMINATE
13_2008_1056	Hybrid	ELIMINATE
13_2008_1057	Uncertain origin	ELIMINATE
13_2008_1058	Hybrid	ELIMINATE
13_2008_1059	Uncertain origin	ELIMINATE
13_2008_1060	Yes	
13_2008_1062	Hybrid	ELIMINATE
13_2008_1063	Yes	
13_2008_1064	Unknown parents	ELIMINATE
13_2008_1121	Yes	
13_2008_1123	Hybrid	ELIMINATE
13_2008_1124	Uncertain origin	ELIMINATE
13_2008_1125	Hybrid	ELIMINATE
13_2008_1126	Hybrid	ELIMINATE
13_2008_1127	Yes	
13_2008_1128	Yes	
13_2008_1129	Yes	
13_2008_1130	Hybrid	ELIMINATE
13_2008_1131	Yes	
13_2008_1132	Uncertain origin	ELIMINATE
13_2008_1133	Hybrid	ELIMINATE
13_2008_1134	Yes	
13_2008_1135	Hybrid	ELIMINATE
13_2008_1136	Yes	
13_2008_1137	Hybrid	ELIMINATE
13_2008_1138	Yes	
13_2008_1139	Hybrid	ELIMINATE
13_2008_1141	Hybrid	ELIMINATE
13_2008_1142	Unknown parents	ELIMINATE
13_2008_1143	Yes	
13_2008_1144	Hybrid	ELIMINATE
13_2008_1145	Hybrid	ELIMINATE

13_2008_1146	Hybrid	ELIMINATE
13_2008_1147	Yes	
13_2008_1148	Hybrid	ELIMINATE
13_2008_1149	Hybrid	ELIMINATE
13_2008_1150	Yes	
13_2008_1151	Hybrid	ELIMINATE
13_2008_1152	Hybrid	ELIMINATE
13_2008_1153	Hybrid	ELIMINATE
13_2008_1154	Yes	
13_2008_1155	Yes	
13_2008_1156	Yes	
13_2008_1157	Unknown parents	ELIMINATE
13_2008_1158	Hybrid	ELIMINATE
13_2008_1159	Hybrid	ELIMINATE
13_2008_1160	Hybrid	ELIMINATE
13_2008_1161	Hybrid	ELIMINATE
13_2008_1162	Unknown parents	ELIMINATE
13_2008_1163	Yes	
13_2008_1164	Yes	
13_2008_1165	Yes	
13_2008_1166	Hybrid	ELIMINATE
13_2008_1167	Hybrid	ELIMINATE
13_2008_1168	Yes	
13_2008_1169	Hybrid	ELIMINATE
13_2008_1170	Hybrid	ELIMINATE
13_2008_1171	Hybrid	ELIMINATE
13_2008_1173	Yes	
13_2008_1174	Yes	
13_2008_1175	Unknown parents	ELIMINATE
13_2008_1176	Hybrid	ELIMINATE
13_2008_1177	Yes	
13_2008_1178	Yes	
13_2008_1179	Hybrid	ELIMINATE
13_2008_1180	Yes	
13_2008_1181	Yes	
13_2008_1182	Hybrid	ELIMINATE
13_2008_1183	Yes	
13_2008_1184	Yes	

13_2008_1185	Hybrid	ELIMINATE
13_2008_1186	Yes	
13_2008_1187	Yes	
13_2008_1188	Yes	
13_2008_1189	Hybrid	ELIMINATE
13_2008_1190	Hybrid	ELIMINATE
13_2008_1191	Hybrid	ELIMINATE
13_2008_1192	Hybrid	ELIMINATE
13_2008_1193	Yes	
13_2008_1194	Hybrid	ELIMINATE
13_2008_1195	Hybrid	ELIMINATE
13_2008_1196	Yes	
13_2008_1197	Hybrid	ELIMINATE
13_2008_1198	Hybrid	ELIMINATE
13_2008_1199	Unknown parents	ELIMINATE
13_2008_1200	Hybrid	ELIMINATE
13_2008_1201	Yes	
13_2008_1202	Yes	
13_2008_1203	Yes	
13_2008_1204	Hybrid	ELIMINATE
13_2008_1205	Yes	
13_2008_1206	Hybrid	ELIMINATE
13_2008_1207	Yes	
13_2008_1208	Hybrid	ELIMINATE
13_2008_1209	Yes	
13_2008_1210	Hybrid	ELIMINATE
13_2008_1211	Hybrid	ELIMINATE
13_2008_1212	Hybrid	ELIMINATE
13_2008_1213	Uncertain origin	ELIMINATE
13_2008_1214	Uncertain origin	ELIMINATE
13_2008_1215	Hybrid	ELIMINATE
13_2008_1216	Hybrid	ELIMINATE
13_2008_1217	Hybrid	ELIMINATE
13_2008_1218	Yes	
13_2008_1219	Hybrid	ELIMINATE
13_2008_1220	Hybrid	ELIMINATE
13_2008_1221	Hybrid	ELIMINATE
13_2008_1222	Yes	

13_2008_1223	Hybrid	ELIMINATE
13_2008_1224	Yes	
13_2008_1225	Hybrid	ELIMINATE
13_2008_1226	Hybrid	ELIMINATE
13_2008_1227	Yes	
13_2008_1228	Uncertain origin	ELIMINATE
13_2008_1229	Yes	
13_2008_1230	Yes	
13_2008_1231	Yes	
13_2008_1232	Yes	
13_2008_1233	Yes	
13_2008_1234	Hybrid	ELIMINATE
13_2008_1235	Yes	
13_2008_1236	Yes	
13_2008_1237	Hybrid	ELIMINATE
13_2008_1238	Yes	
13_2008_1239	Hybrid	ELIMINATE
13_2008_1240	Hybrid	ELIMINATE
13_2008_1241	Yes	
13_2008_1242	Hybrid	ELIMINATE
13_2008_1243	Uncertain origin	ELIMINATE
13_2008_1244	Yes	
13_2008_1245	Yes	
13_2008_1246	Yes	
13_2008_1247	Hybrid	ELIMINATE
13_2008_1248	Unknown parents	ELIMINATE
13_2008_1249	Yes	
13_2008_1250	Hybrid	ELIMINATE
13_2008_1251	Unknown parents	ELIMINATE
13_2008_1252	Hybrid	ELIMINATE
13_2008_1253	Yes	
13_2008_1254	Unknown parents	ELIMINATE
13_2008_1255	Hybrid	ELIMINATE
13_2008_1256	Unknown parents	ELIMINATE
13_2008_1257	Unknown parents	ELIMINATE
13_2008_1258	Hybrid	ELIMINATE
13_2008_1259	Hybrid	ELIMINATE
13_2008_1260	Hybrid	ELIMINATE

13_2008_1261	Unknown parents	ELIMINATE
13_2008_1262	Hybrid	ELIMINATE
13_2008_1263	Unknown parents	ELIMINATE
13_2008_1264	Hybrid	ELIMINATE
13_2008_1265	Hybrid	ELIMINATE
13_2008_1266	Yes	
13_2008_1267	Yes	
13_2008_1268	Hybrid	ELIMINATE
13_2008_1269	Yes	
13_2008_1270	Hybrid	ELIMINATE
13_2008_1271	Yes	
13_2008_1274	Hybrid	ELIMINATE
13_2008_1275	Yes	
13_2008_1276	Hybrid	ELIMINATE
13_2008_1277	Yes	
13_2008_1278	Yes	
13_2008_1279	Unknown parents	ELIMINATE
13_2008_1280	Yes	
13_2008_1281	Yes	
13_2008_1282	Hybrid	ELIMINATE
13_2008_1283	Yes	
13_2008_1284	Yes	
13_2008_1285	Yes	
13_2008_1286	Yes	
13_2008_1287	Hybrid	ELIMINATE
13_2008_1288	Yes	
13_2008_1290	Yes	
13_2008_1291	Uncertain origin	
13_2008_1292	Yes	
13_2008_1293	Hybrid	ELIMINATE
13_2008_1294	Yes	
13_2008_1295	Yes	
13_2008_1296	Uncertain origin	ELIMINATE
13_2008_1297	Uncertain origin	ELIMINATE
13_2008_1298	Uncertain origin	ELIMINATE
13_2008_1299	Yes	
13_2008_1300	Yes	
13_2008_1301	Yes	

13_2008_1302	Uncertain origin	ELIMINATE
13_2008_1303	Yes	
13_2008_1304	Unknown parents	ELIMINATE
13_2008_1305	Yes	
13_2008_1306	Yes	
13_2008_1307	Yes	
13_2008_1308	Yes	
13_2008_1309	Hybrid	ELIMINATE
13_2008_1310	Yes	
13_2008_1311	Hybrid	ELIMINATE
13_2008_1312	Hybrid	ELIMINATE
13_2008_1313	Yes	
13_2008_1314	Uncertain origin	ELIMINATE
13_2008_1315	Hybrid	ELIMINATE
13_2008_1316	Hybrid	ELIMINATE
13_2008_1317	Yes	
13_2008_1318	Hybrid	ELIMINATE
13_2008_1319	Yes	
13_2008_1320	Yes	
13_2008_1321	Unknown parents	ELIMINATE
13_2008_1322	Hybrid	ELIMINATE
13_2008_1323	Hybrid	ELIMINATE
13_2008_1324	Yes	
13_2008_1325	Hybrid	ELIMINATE
13_2008_1326	Uncertain origin	ELIMINATE
13_2008_1327	Hybrid	ELIMINATE
13_2008_1328	Yes	
13_2008_1329	Hybrid	ELIMINATE
13_2008_1330	Yes	
13_2008_1331	Unknown parents	ELIMINATE
13_2008_1332	Uncertain origin	ELIMINATE
13_2008_1333	Yes	
13_2008_1334	Hybrid	ELIMINATE
13_2008_1335	Yes	
13_2008_1336	Yes	
13_2008_1337	Yes	
13_2008_1338	Yes	
13_2008_1339	Yes	

13_2008_1340	Yes	
13_2008_1341	Hybrid	ELIMINATE
13_2008_1342	Uncertain origin	ELIMINATE
13_2008_1343	Yes	
13_2008_1345	Yes	
13_2008_1346	Hybrid	ELIMINATE
13_2008_1347	Hybrid	ELIMINATE
13_2008_1348	Yes	
13_2008_1349	Yes	
13_2008_1350	Unknown parents	ELIMINATE
13_2008_1351	Yes	
13_2008_1353	Hybrid	ELIMINATE
13_2008_1354	Uncertain origin	ELIMINATE
13_2008_1355	Hybrid	ELIMINATE
13_2008_1356	Yes	
13_2008_1357	Yes	
13_2008_1358	Hybrid	ELIMINATE
13_2008_1359	Yes	
13_2008_1360	Uncertain origin	ELIMINATE
13_2008_1361	Hybrid	ELIMINATE
13_2008_1362	Yes	
13_2008_1363	Yes	
13_2008_1364	Yes	
13_2008_1365	Yes	
13_2008_1366	Uncertain origin	ELIMINATE
13_2008_1367	Yes	
13_2008_1368	Uncertain origin	ELIMINATE
13_2008_1369	Yes	
13_2008_1370	Yes	
13_2008_1371	Hybrid	ELIMINATE
13_2008_1372	Hybrid	ELIMINATE
13_2008_1373	Uncertain origin	ELIMINATE
13_2008_1374	Uncertain origin	ELIMINATE
13_2008_1375	Yes	
13_2008_1376	Uncertain origin	ELIMINATE
13_2008_1377	Hybrid	ELIMINATE
13_2008_1378	Uncertain origin	ELIMINATE
13_2008_1379	Yes	

13_2008_1380	Yes	
13_2008_1381	Yes	
13_2008_1382	Yes	
13_2008_1383	Yes	
13_2008_1384	Yes	
13_2008_1385	Hybrid	ELIMINATE
13_2008_1386	Hybrid	ELIMINATE
13_2008_1388	Hybrid	ELIMINATE
13_2008_1389	Yes	
13_2008_1390	Uncertain origin	ELIMINATE
13_2008_1391	Uncertain origin	ELIMINATE
13_2008_1392	Unknown parents	ELIMINATE
13_2008_1393	Uncertain origin	ELIMINATE
13_2008_1394	Yes	
13_2008_1395	Hybrid	ELIMINATE
13_2008_1396	Yes	
13_2008_1398	Uncertain origin	ELIMINATE
13_2008_1399	Yes	
13_2008_1400	Yes	
13_2008_1401	Uncertain origin	ELIMINATE
13_2008_1402	Hybrid	ELIMINATE
13_2008_1403	Uncertain origin	ELIMINATE
13_2008_1404	Hybrid	ELIMINATE
13_2008_1405	Yes	
13_2008_1406	Yes	
13_2008_1408	Yes	
13_2008_1409	Uncertain origin	ELIMINATE
13_2008_1410	Yes	
13_2008_1411	Yes	
13_2008_1412	Uncertain origin	ELIMINATE
13_2008_1413	Yes	
13_2008_1414	Yes	
13_2008_1415	Yes	
13_2008_1416	Hybrid	ELIMINATE
13_2008_1417	Yes	
13_2008_1418	Uncertain origin	ELIMINATE
13_2008_1419	Uncertain origin	ELIMINATE
13_2008_1420	Yes	

13_2008_1421	Uncertain origin	ELIMINATE
13_2008_1422	Unknown parents	ELIMINATE
13_2008_1423	Yes	
13_2008_1424	Uncertain origin	ELIMINATE
13_2008_1426	Uncertain origin	ELIMINATE
13_2008_1428	Yes	
13_2008_1429	Uncertain origin	ELIMINATE
13_2008_1430	Uncertain origin	ELIMINATE
13_2008_1431	Uncertain origin	ELIMINATE
13_2008_1432	Uncertain origin	ELIMINATE
13_2008_1433	Hybrid	ELIMINATE
13_2008_1435	Uncertain origin	ELIMINATE
13_2008_1436	Uncertain origin	ELIMINATE
13_2008_1437	Yes	
13_2008_1438	Hybrid	ELIMINATE
13_2008_1439	Yes	
13_2008_1440	Yes	
13_2008_1441	Uncertain origin	ELIMINATE
13_2008_1443	Uncertain origin	ELIMINATE
13_2008_1444	Hybrid	ELIMINATE
13_2008_1445	Uncertain origin	ELIMINATE
13_2008_1446	Hybrid	ELIMINATE
13_2008_1447	Uncertain origin	ELIMINATE
13_2008_1448	Hybrid	ELIMINATE
13_2008_1449	Yes	
13_2008_1450	Unknown parents	ELIMINATE
13_2008_1451	Hybrid	ELIMINATE
13_2008_1453	Hybrid	ELIMINATE
13_2008_1454	Hybrid	ELIMINATE
13_2008_1455	Uncertain origin	ELIMINATE
13_2008_1456	Uncertain origin	ELIMINATE
13_2008_1457	Yes	
13_2008_1458	Yes	
13_2008_1459	Uncertain origin	ELIMINATE
13_2008_1460	Hybrid	ELIMINATE
13_2008_1461	Uncertain origin	ELIMINATE
13_2008_1462	Yes	
13_2008_1463	Unknown parents	ELIMINATE

13_2008_1464	Hybrid	ELIMINATE
13_2008_1465	Hybrid	ELIMINATE
13_2008_1466	Hybrid	ELIMINATE
13_2008_1467	Uncertain origin	ELIMINATE
13_2008_1468	Hybrid	ELIMINATE
13_2008_1469	Yes	
13_2008_1470	Yes	
13_2008_1471	Hybrid	ELIMINATE
13_2008_1472	Hybrid	ELIMINATE
13_2008_1473	Hybrid	ELIMINATE
13_2008_1474	Yes	
13_2008_1475	Yes	
13_2008_1476	Yes	
13_2008_1477	Yes	
13_2008_1478	Yes	
13_2008_1479	Yes	
13_2008_1480	Yes	
21_2008_1481	Uncertain origin	ELIMINATE
21_2008_1482	Uncertain origin	ELIMINATE
21_2008_1483	Yes	
21_2008_1484	Uncertain origin	ELIMINATE
21_2008_1485	Yes	
21_2008_1486	Uncertain origin	ELIMINATE
21_2008_1487	Uncertain origin	ELIMINATE
21_2008_1488	Uncertain origin	ELIMINATE
21_2008_1489	Uncertain origin	ELIMINATE
21_2008_1491	Yes	
21_2008_1492	Yes	
21_2008_1493	Uncertain origin	ELIMINATE
21_2008_1494	Uncertain origin	ELIMINATE
21_2008_1495	Uncertain origin	ELIMINATE
21_2008_1496	Uncertain origin	ELIMINATE
21_2008_1497	Uncertain origin	ELIMINATE
21_2008_1600	Uncertain origin	ELIMINATE
21_2008_1608	Uncertain origin	ELIMINATE
21_2008_1609	Uncertain origin	ELIMINATE
21_2008_1610	Yes	
21_2008_1614	Yes	

21_2008_1615	Uncertain origin	ELIMINATE
21_2008_1616	Uncertain origin	ELIMINATE
21_2008_1618	Uncertain origin	ELIMINATE
21_2008_1619	Uncertain origin	ELIMINATE
21_2008_1622	Uncertain origin	ELIMINATE
21_2008_1623	Yes	
21_2008_1627	Yes	
21_2008_1628	Uncertain origin	ELIMINATE
21_2008_1632	Yes	
21_2008_1635	Uncertain origin	ELIMINATE
21_2008_1636	Uncertain origin	ELIMINATE
21_2008_1637	Uncertain origin	ELIMINATE
21_2008_1640	Uncertain origin	ELIMINATE
21_2008_1641	Uncertain origin	ELIMINATE
21_2008_1643	Uncertain origin	ELIMINATE
21_2008_1647	Uncertain origin	ELIMINATE
21_2008_1648	Uncertain origin	ELIMINATE
21_2008_1649	Yes	
21_2008_1650	Uncertain origin	ELIMINATE
21_2008_1651	Yes	
21_2008_1652	Uncertain origin	ELIMINATE
21_2008_1653	Uncertain origin	ELIMINATE
21_2008_1654	Uncertain origin	ELIMINATE
21_2008_1655	Uncertain origin	ELIMINATE
21_2008_1656	Uncertain origin	ELIMINATE
21_2008_1658	Uncertain origin	ELIMINATE
21_2008_1659	Uncertain origin	ELIMINATE
21_2016_1661	Yes	
21_2016_1662	Yes	
21_2016_1663	Uncertain origin	ELIMINATE
21_2016_1664	Yes	
21_2016_1665	Yes	
21_2016_1666	Yes	
21_2016_1667	Uncertain origin	ELIMINATE
21_2016_1668	Yes	
21_2016_1669	Hybrid	ELIMINATE
21_2016_1670	Yes	
21_2016_1671	Uncertain origin	ELIMINATE

21_2016_1672	Hybrid	ELIMINATE
21_2016_1673	Uncertain origin	ELIMINATE
21_2016_1674	Yes	
21_2016_1675	Yes	
21_2016_1676	Uncertain origin	ELIMINATE
21_2016_1677	Yes	
21_2016_1678	Yes	
21_2016_1679	Yes	
21_2016_1680	Yes	
21_2016_1681	Yes	
21_2016_1682	Yes	
21_2016_1683	Yes	
21_2016_1684	Yes	
21_2016_1685	Yes	
21_2016_1686	Yes	
21_2016_1687	Uncertain origin	ELIMINATE
21_2016_1688	Yes	
21_2016_1689	Yes	
21_2016_1690	Yes	
21_2016_1691	Uncertain origin	ELIMINATE
21_2016_1692	Yes	
21_2016_1693	Yes	
21_2016_1694	Yes	
21_2016_1695	Yes	
21_2016_1696	Yes	
21_2016_1697	Uncertain origin	ELIMINATE
21_2016_1698	Yes	
21_2016_1699	Uncertain origin	ELIMINATE
21_2016_1700	Uncertain origin	ELIMINATE
21_2016_1701	Yes	
21_2016_1702	Uncertain origin	ELIMINATE
21_2016_1703	Yes	
21_2016_1704	Hybrid	ELIMINATE
21_2016_1705	Yes	
21_2016_1706	Yes	
21_2016_1707	Yes	
21_2016_1708	Yes	
21_2016_1709	Yes	



LIFE18 NAT/IT/000164

21_2016_1710	Yes	
21_2016_1711	Yes	
21_2016_1712	Yes	
21_2016_1713	Yes	
21_2016_1714	Yes	
21_2016_1715	Yes	
21_2016_1716	Yes	
21_2016_1717	Yes	
21_2016_1718	Uncertain origin	ELIMINATE
21_2016_1719	Yes	
21_2016_1720	Yes	
21_2016_1721	Yes	
21_2016_1722	Yes	
21_2016_1723	Yes	
21_2016_1724	Yes	
21_2016_1725	Yes	
21_2016_1726	Yes	
21_2016_1727	Yes	
21_2016_1728	Yes	
21_2016_1730	Yes	
21_2016_1731	Yes	
21_2016_1732	Yes	
21_2016_1733	Yes	
21_2016_1734	Yes	
21_2016_1735	Yes	
21_2016_1736	Yes	
21_2016_1737	Uncertain origin	ELIMINATE
21_2016_1738	Yes	
21_2016_1739	Yes	
21_2016_1740	Yes	
21_2016_1741	Yes	
21_2016_1743	Yes	
21_2016_1744	Yes	
21_2016_1745	Uncertain origin	ELIMINATE
21_2016_1746	Yes	
21_2016_1747	Hybrid	ELIMINATE
21_2016_1748	Uncertain origin	ELIMINATE
21_2016_1750	Uncertain origin	ELIMINATE

21_2016_1751	Yes	
21_2016_1752	Uncertain origin	ELIMINATE
21_2016_1753	Yes	
21_2016_1754	Yes	
21_2016_1755	Yes	
21_2016_1756	Yes	
21_2016_1757	Yes	
21_2016_1758	Yes	
21_2016_1759	Uncertain origin	ELIMINATE
21_2016_1760	Uncertain origin	ELIMINATE
21_2016_1761	Yes	
21_2016_1762	Yes	
21_2016_1763	Uncertain origin	ELIMINATE
21_2016_1764	Yes	
21_2016_1765	Yes	
21_2016_1766	Yes	
21_2016_1767	Yes	
21_2016_1768	Yes	
21_2016_1769	Uncertain origin	ELIMINATE
21_2016_1769	Uncertain origin	ELIMINATE
21_2016_1770	Uncertain origin	ELIMINATE
21_2016_1771	Uncertain origin	ELIMINATE
21_2016_1772	Yes	
21_2016_1773	Uncertain origin	ELIMINATE
21_2016_1774	Uncertain origin	ELIMINATE
21_2016_1775	Yes	
21_2016_1776	Yes	
21_2016_1777	Uncertain origin	ELIMINATE
21_2016_1778	Yes	
21_2016_1779	Uncertain origin	ELIMINATE
21_2016_1780	Yes	
21_2016_1781	Yes	
21_2016_1782	Yes	
21_2016_1783	Yes	
21_2016_1784	Yes	
21_2016_1785	Yes	
21_2016_1786	Yes	
21_2016_1787	Yes	

21_2016_1788	Yes	
21_2016_1789	Yes	
21_2016_1790	Uncertain origin	ELIMINATE
21_2016_1791	Uncertain origin	ELIMINATE
21_2016_1792	Yes	
21_2016_1793	Yes	
21_2016_1794	Uncertain origin	ELIMINATE
21_2016_1795	Uncertain origin	ELIMINATE
21_2016_1796	Yes	
21_2016_1797	Uncertain origin	ELIMINATE
21_2016_1798	Yes	
21_2016_1799	Yes	
21_2016_1800	Yes	
21_2016_1801	Yes	
21_2016_1802	Yes	
21_2016_1803	Yes	
21_2016_1804	Uncertain origin	ELIMINATE
21_2016_1805	Yes	
21_2016_1806	Yes	
21_2016_1807	Yes	
21_2016_1808	Yes	
21_2016_1810	Yes	
21_2016_1811	Yes	
21_2016_1812	Yes	
21_2016_1813	Yes	
21_2016_1814	Yes	
21_2016_1815	Uncertain origin	ELIMINATE
21_2016_1816	Yes	
21_2016_1817	Yes	
21_2016_1818	Yes	
21_2016_1819	Yes	
21_2016_1820	Yes	
21_2016_1821	Uncertain origin	ELIMINATE
21_2016_1822	Yes	
21_2016_1823	Uncertain origin	ELIMINATE
21_2016_1824	Uncertain origin	
21_2016_1825	Yes	
21_2016_1826	Yes	



LIFE18 NAT/IT/000164

21_2016_1827	Yes	
21_2016_1828	Yes	
21_2016_1829	Yes	
21_2016_1831	Uncertain origin	ELIMINATE
21_2016_1832	Yes	
21_2016_1833	Uncertain origin	ELIMINATE
21_2016_1834	Uncertain origin	ELIMINATE
21_2016_1835	Uncertain origin	ELIMINATE
21_2016_1836	Uncertain origin	ELIMINATE
21_2016_1837	Uncertain origin	ELIMINATE
21_2016_1838	Uncertain origin	ELIMINATE
21_2016_1839	Uncertain origin	ELIMINATE
21_2016_1840	Uncertain origin	ELIMINATE
22_2009_1841	Yes	
22_2009_1842	Yes	
22_2009_1843	Yes	
22_2009_1844	Yes	
22_2009_1845	Yes	
22_2009_1846	Yes	
22_2009_1847	Yes	
22_2009_1848	Uncertain origin	ELIMINATE
22_2009_1849	Uncertain origin	ELIMINATE
22_2009_1851	Uncertain origin	ELIMINATE
22_2009_1852	Uncertain origin	ELIMINATE
22_2009_1853	Yes	
22_2009_1854	Yes	
22_2009_1856	Yes	
22_2009_1857	Yes	
22_2009_1858	Yes	
22_2009_1859	Yes	
22_2009_1860	Yes	
22_2009_1861	Uncertain origin	
22_2009_1862	Uncertain origin	
22_2009_1863	Uncertain origin	ELIMINATE
22_2009_1864	Yes	
22_2009_1865	Uncertain origin	ELIMINATE
22_2009_1866	Yes	
22_2009_1867	Yes	

22_2009_1868	Yes	
22_2009_1869	Yes	
22_2009_1870	Yes	
22_2009_1871	Uncertain origin	ELIMINATE
22_2009_1872	Yes	
22_2009_1873	Uncertain origin	ELIMINATE
22_2009_1874	Uncertain origin	ELIMINATE
22_2009_1875	Yes	
22_2009_1876	Uncertain origin	ELIMINATE
22_2009_1877	Yes	
22_2009_1878	Yes	
22_2009_1879	Yes	
22_2009_1880	Uncertain origin	ELIMINATE
22_2009_1881	Uncertain origin	ELIMINATE
22_2009_1882	Yes	
22_2009_1883	Uncertain origin	ELIMINATE
22_2009_1884	Uncertain origin	ELIMINATE
22_2009_1885	Yes	
22_2009_1887	Uncertain origin	ELIMINATE
22_2009_1888	Yes	
22_2009_1889	Yes	
22_2009_1890	Uncertain origin	ELIMINATE
22_2009_1892	Yes	
22_2009_1893	Uncertain origin	ELIMINATE
22_2009_1894	Yes	
22_2009_1895	Yes	
22_2009_1896	Yes	
22_2009_1897	Uncertain origin	
22_2009_1898	Yes	
22_2009_1899	Yes	
22_2009_1900	Yes	
22_2009_1901	Yes	
22_2009_1902	Yes	
22_2009_1903	Yes	
22_2009_1905	Yes	
22_2009_1906	Yes	
22_2009_1908	Uncertain origin	ELIMINATE
22_2009_1909	Yes	

22_2009_1910	Uncertain origin	ELIMINATE
22_2009_1911	Uncertain origin	ELIMINATE
22_2009_1912	Yes	
22_2009_1913	Yes	
22_2009_1914	Yes	
22_2009_1917	Uncertain origin	ELIMINATE
22_2009_1918	Uncertain origin	ELIMINATE
22_2009_1919	Yes	
22_2009_1920	Yes	
22_2009_1921	Yes	
22_2009_1922	Yes	
22_2009_1923	Yes	
22_2009_1924	Uncertain origin	
22_2009_1925	Uncertain origin	ELIMINATE
22_2009_1927	Yes	
22_2009_1928	Yes	
22_2009_1929	Yes	
22_2009_1930	Uncertain origin	ELIMINATE
22_2009_1931	Yes	
22_2009_1933	Yes	
22_2009_1934	Uncertain origin	ELIMINATE
22_2009_1935	Yes	
22_2009_1936	Uncertain origin	
22_2009_1937	Yes	
22_2009_1938	Uncertain origin	ELIMINATE
22_2009_1939	Uncertain origin	ELIMINATE
22_2009_1940	Uncertain origin	ELIMINATE
22_2009_1941	Yes	
22_2009_1943	Yes	
22_2009_1944	Uncertain origin	ELIMINATE
22_2009_1945	Yes	
22_2009_1946	Yes	
22_2009_1947	Uncertain origin	ELIMINATE
22_2009_1948	Yes	
22_2009_1949	Yes	
22_2009_1950	Yes	
22_2009_1951	Yes	
22_2009_1954	Yes	

22_2009_1955	Uncertain origin	ELIMINATE
22_2009_1956	Yes	
22_2009_1957	Yes	
22_2009_1958	Yes	
22_2009_1959	Yes	
22_2009_1960	Yes	
22_2009_1961	Yes	
22_2009_1962	Yes	
22_2009_1963	Yes	
22_2009_1964	Yes	
22_2009_1965	Uncertain origin	ELIMINATE
22_2009_1966	Uncertain origin	ELIMINATE
22_2009_1967	Yes	
22_2009_1968	Yes	
22_2009_1971	Uncertain origin	
22_2009_1974	Yes	
22_2009_1975	Yes	
22_2009_1976	Yes	
22_2009_1977	Yes	
22_2009_1978	Yes	
22_2009_1979	Yes	
22_2009_1980	Yes	
22_2009_1981	Yes	
22_2009_1982	Yes	
22_2009_1983	Yes	
22_2009_1984	Uncertain origin	ELIMINATE
22_2009_1986	Yes	
22_2009_1989	Yes	
22_2009_1990	Yes	
22_2009_1991	Yes	
22_2009_1993	Yes	
22_2009_1994	Uncertain origin	ELIMINATE
22_2009_1995	Uncertain origin	ELIMINATE
22_2009_1996	Yes	
22_2009_1998	Yes	
22_2009_1999	Yes	
22_2009_2000	Yes	
22_2009_2001	Yes	

22_2009_2002	Yes	
22_2009_2005	Yes	
22_2009_2007	Hybrid	ELIMINATE
22_2009_2008	Yes	
22_2009_2010	Yes	
22_2009_2011	Yes	
22_2009_2012	Yes	
22_2009_2013	Yes	
22_2009_2014	Yes	
22_2009_2015	Uncertain origin	ELIMINATE
22_2009_2020	Yes	
27_2009_2021	Uncertain origin	ELIMINATE
27_2009_2022	Uncertain origin	ELIMINATE
27_2009_2023	Uncertain origin	ELIMINATE
27_2009_2024	Uncertain origin	ELIMINATE
27_2009_2025	Uncertain origin	ELIMINATE
27_2009_2026	Uncertain origin	ELIMINATE
27_2009_2027	Yes	
27_2009_2028	Uncertain origin	ELIMINATE
27_2009_2029	Yes	
27_2009_2030	Uncertain origin	ELIMINATE
27_2009_2031	Uncertain origin	ELIMINATE
27_2009_2032	Uncertain origin	ELIMINATE
27_2009_2033	Uncertain origin	ELIMINATE
27_2009_2034	Uncertain origin	ELIMINATE
27_2009_2035	Uncertain origin	ELIMINATE
27_2009_2036	Uncertain origin	ELIMINATE
27_2009_2037	Yes	
27_2009_2038	Uncertain origin	ELIMINATE
27_2009_2039	Yes	
27_2009_2040	Uncertain origin	ELIMINATE
27_2009_2041	Uncertain origin	ELIMINATE
27_2009_2042	Yes	
27_2009_2043	Yes	
27_2009_2044	Uncertain origin	ELIMINATE
27_2009_2045	Uncertain origin	ELIMINATE
27_2009_2046	Uncertain origin	ELIMINATE
27_2009_2047	Yes	



LIFE18 NAT/IT/000164

27_2009_2048	Yes	
27_2009_2049	Yes	
27_2009_2050	Yes	
27_2009_2051	Hybrid	ELIMINATE
27_2009_2052	Yes	
27_2009_2053	Yes	
27_2009_2054	Yes	
27_2009_2055	Unknown parents	ELIMINATE
27_2009_2056	Yes	
27_2009_2057	Yes	
27_2009_2058	Yes	
27_2009_2059	Yes	
27_2009_2060	Yes	
27_2009_2061	Yes	
27_2009_2062	Yes	
27_2009_2063	Yes	
27_2009_2064	Yes	
27_2009_2065	Yes	
27_2009_2066	Yes	
27_2009_2067	Yes	
27_2009_2068	Yes	
27_2009_2069	Yes	
27_2009_2070	Yes	
27_2009_2071	Hybrid	ELIMINATE
27_2009_2072	Yes	
27_2009_2073	Yes	
27_2009_2108	Uncertain origin	ELIMINATE
27_2009_2109	Uncertain origin	ELIMINATE
27_2009_2111	Uncertain origin	ELIMINATE
27_2009_2112	Uncertain origin	ELIMINATE
27_2009_2113	Uncertain origin	ELIMINATE
27_2009_2114	Uncertain origin	ELIMINATE
27_2009_2115	Yes	
27_2009_2116	Yes	
27_2009_2117	Uncertain origin	ELIMINATE
27_2009_2118	Hybrid	ELIMINATE
27_2009_2119	Uncertain origin	ELIMINATE
27_2009_2120	Uncertain origin	ELIMINATE