

Supplementary Material

Tab. S1 - List of target and non-target insects and biological traces (frass) used in the test (SFR: Regional Phytosanitary Service; CREA: Council for Agricultural Research and Analysis of Agricultural Economics).

Order	Family	Species	Sample origin	Matrix	Sample code
Coleoptera	Cerambycidae	<i>Anoplophora chinensis</i>	SFR – Lombardy	Larva	MR 001620
		<i>Anoplophora chinensis</i>	SFR – Tuscany	Larva	MR 001621
		<i>Anoplophora chinensis</i>	SFR – Tuscany	Frass	MR 001624
		<i>Anoplophora glabripennis</i>	SFR - Lombardy	Adult	MR 001639
		<i>Anoplophora glabripennis</i>	SFR - Lombardy	Larva	MR 001640
		<i>Anoplophora glabripennis</i>	SFR - Lombardy	Egg	MR 001668
		<i>Anoplophora glabripennis</i>	SFR- Lombardy	Frass	MR 000226
		<i>Aromia bungii</i>	SFR - Lombardy	Larva	MR 000300
		<i>Aromia bungii</i>	SFR - Campania	Frass	MR 000757
		<i>Aromia bungii</i>	University of Naples Federico II	Frass	MR 000254
		<i>Aromia bungii</i>	SFR - Campania	Adult	MR 000301
		<i>Aromia bungii</i>	SFR - Campania	Adult	MR 001625
		<i>Aromia bungii</i>	SFR - Campania	Adult	MR 000231
		<i>Aromia moschata</i>	University Florence	Adult	MR 000260
		<i>Cerambycidae</i>	SFR - Tuscany	Adult	MR 000261
		<i>Cerambyx cerdo</i>	SFR - Tuscany	Adult	MR 000262
		<i>Cerambyx cerdo</i>	SFR - Tuscany	Adult	MR 000263
		<i>Cerambyx scopolii</i>	SFR - Tuscany	Adult	MR 001674
		<i>Cerambyx scopolii</i>	SFR - Tuscany	Adult	MR 000766
		<i>Cerambyx welensii</i>	SFR - Tuscany	Adult	MR 000276
		<i>Cerambyx miles</i>	CREA-DC-Florence	Adult	MR 000274
		<i>Lepturges confluens</i>	SFR - Tuscany, Port of Livorno	Larva	MR 000303
		<i>Monochamus galloprovincialis</i>	CREA-DC-Florence	Adult	MR 000815
		<i>Monochamus galloprovincialis</i>	SFR – Lombardy	Adult	MR 000816
		<i>Monochamus galloprovincialis</i>	University of Florence	Adult	MR 000234
		<i>Monochamus sartor</i>	SFR – Lombardy	Adult	MR 000839
		<i>Monochamus sutor</i>	SFR – Lombardy	Larva	MR 000806
		<i>Morimus asper</i>	CREA-DC-Florence	Adult	MR 000250
		<i>Saperda carcharias</i>	University of Pisa	Adult	MR 000306
		<i>Saperda punctata</i>	CREA-DC-Florence	Adult	MR 000768
		<i>Saperda scalaris</i>	CREA-DC-Florence	Adult	MR 000835
		<i>Saperda tridentata</i>	SFR - Tuscany	Larva	MR 000841
		<i>Saperda tridentata</i>	SFR - Tuscany	Adult	MR 000760
		<i>Xylotrechus colonus</i>	SFR – Tuscany, Port of Livorno	Larva	MR 000776

Rizzo D, D'Agostino A, Stabile I, Ranaldi C, Marrucci A, Zubieta CG, Da Lio D, Bartolini L, Pennacchio F, Rossi E, Garonna AP (2023). **Identification of the ambrosia beetle *Anisandrus dispar* (Fabricius) (Coleoptera Curculionidae Scolytinae) using TaqMan probe assay on biological samples**
iForest – Biogeosciences and Forestry – doi: [10.3832/ifer4287-016](https://doi.org/10.3832/ifer4287-016)

Order	Family	Species	Sample origin	Matrix	Sample code
Coleoptera	Curculionidae Scolytinae	<i>Anisandrus dispar</i>	CREA-DC-Florence	Adult	MR 000785
		<i>Anisandrus dispar</i>	CREA-DC-Florence	Larva	MR 000247
		<i>Hylurgus ligniperda</i>	University of Florence	Adult	MR 000755
		<i>Ips sexdentatus</i>	CREA-DC-Florence	Adult	MR 000829
		<i>Ips sexdentatus</i>	University of Florence	Adult	MR 000265
		<i>Ips sexdentatus</i>	University of Florence	Adult	MR 000289
		<i>Ips typographus</i>	SFR - Tuscany	Adult	MR 000831
		<i>Ips typographus</i>	CREA-DC-Florence	Frass	MR 000302
		<i>Ortotomicus erosus</i>	University of Florence	Adult	MR 000258
		<i>Pityophthorus juglandis</i>	University of Florence	Adult	MR 000818
		<i>Pityophthorus juglandis</i>	University of di Pisa	Frass	MR 000257
		<i>Pityophthorus pityographus</i>	CREA-DC-Florence	Frass	MR 000256
		<i>Pityophthorus pityographus</i>	CREA-DC-Florence	Adult	MR 000759
		<i>Pityophthorus pubescens</i>	University of Florence	Adult	MR 000304
		<i>Scolytus multistriatus</i>	CREA-DC-Florence	Adult	MR 000767
		<i>Xyleborinus saxesenii</i>	University of Florence	Adult	MR 000259
		<i>Xyleborinus saxesenii</i>	CREA-DC-Florence	Adult	MR 000790
		<i>Xyleborinus saxesenii</i>	University of Florence	Adult	MR 001617
		<i>Xyleborinus saxesenii</i>	Port of Livorno – from USA	Frass on <i>Juglans regia</i>	MR 001619
		<i>Xyleborinus saxesenii</i>	Port of Livorno – from USA	Frass on <i>Juglans regia</i>	MR 001678
		<i>Xyleborus affinis</i>	SFR – Tuscany, Port of Livorno	Adult	MR 000784
		<i>Xyleborus ferrugineus</i>	SFR – Tuscany, Port of Livorno	Adult	MR 000294
		<i>Xyleborus monographus</i>	CREA-DC-Florence	Adult	MR 000840
		<i>Xylosandrus compactus</i>	SFR - Tuscany	Adult	MR 000761
		<i>Xylosandrus compactus</i>	CREA-DC-Florence	Adult	MR 000777
		<i>Xylosandrus compactus</i>	CREA-DC-Florence	Frass	MR 000819
		<i>Xylosandrus crassiusculus</i>	SFR- Tuscany	Frass	MR 001646
<i>Xylosandrus crassiusculus</i>	CREA-DC-Florence	Adult	MR 000826		
<i>Xylosandrus crassiusculus</i>	SFR – Tuscany, Port of Livorno	Larva	MR 000778		
<i>Xylosandrus germanus</i>	University of Florence	Adult	MR 001651		
<i>Xylosandrus germanus</i>	CREA-DC-Florence	Adult	MR 000827		
Lepidoptera	Cossidae	<i>Cossus cossus</i>	SFR - Tuscany	Larva	MR 000297
		<i>Cossus cossus</i>	SFR - Tuscany	Frass	MR 000275
		<i>Cossus cossus</i>	University of Pisa	Adult	MR 000756
		<i>Zeuzera pyrina</i>	CREA-DC-Florence	Larva	MR 000252
		<i>Zeuzera pyrina</i>	CREA-DC-Florence	Frass	MR 000779