

Supplementary material caption

Table S1: References list of alcohol precursor identification and pheromone-based field trial for 21 species of Diprionidae.

Species	Alcohol precursor identification	Field trial
<i>Diprion jingyuanensis</i>		Guo-fa et al., 1997; Zhang et al., 2005
<i>Diprion nipponica</i>	Tai et al., 2002, 1998	Tai et al., 2002, 1998
<i>Diprion pini</i>	Bång et al., 2011; Bergström et al., 1995	Anderbrant et al., 1995; Bergström et al., 1995
<i>Diprion similis</i>	Anderbrant et al., 2021; Olaifa et al., 1988	Anderbrant et al., 2021; Kikukawa et al., 1982; Olaifa et al., 1988
<i>Gilpinia pallida</i>	Hedenström et al., 2006	Hedenström et al., 2006
<i>Gilpinia frutetorum</i>	Hedenström et al., 2009	Kikukawa et al., 1982
<i>Gilpinia socia</i>	Hedenström et al., 2009	
<i>Macrodiprion nemoralis</i>	Wassgren et al., 2000	Wassgren et al., 2000
<i>Microdiprion pallipes</i>	Bergström et al., 1998; Östrand et al., 2003	Östrand et al., 2003
<i>Neodiprion pinetum</i>	Olaifa et al., 1988	Kraemer et al., 1979; Olaifa et al., 1988
<i>Neodiprion lecontei</i>	Jewett et al., 1976	Anderbrant et al., 2000; Kraemer et al., 1983; Tai et al., 1990
<i>Neodiprion nanulus nanulus</i>	Olaifa et al., 1987	Kraemer et al., 1983; Olaifa et al., 1987
<i>Neodiprion sertifer</i>	Bång et al., 2011; Wassgren et al., 1992, Olaifa et al., 1987	Anderbrant et al., 1992; Kikukawa et al., 1983; Kraemer et al., 1983; Tai et al., 1990
<i>Neodiprion dubiosus</i>		Kraemer et al., 1984
<i>Neodiprion rugifrons</i>		Kraemer et al., 1984
<i>Neodiprion swaini</i>		Kraemer et al., 1984
<i>Neodiprion dailingensis</i>		Anderbrant et al., 1997
<i>Neodiprion pratti pratti</i>		Kraemer et al., 1983
<i>Neodiprion taedae linearis</i>		Kraemer et al., 1983
<i>Neodiprion pratti banksianae</i>		Olaifa et al., 1984
<i>Neodiprion nigroscutum</i>		Kraemer et al., 1984 (only EAD, no field attraction)