

表 1 EAR 型转录抑制子的来源和类型

Table 1 The origins and types of EAR-type transcription repressors

来源	转录抑制子	所属类别
origins	Transcription repressors	Categories
拟南芥	ZAT1、ZAT5、ZAT11 (Ohta et al., 2001); ZAT7(Ciftci-Yilmaz et al., 2007);	ZFP
Arabidopsis	ZAT10(Ohta et al., 2001, Mittler et al., 2006); AZF1-3、STZ( <a href="#">Sakamoto</a> et al., 2000, 2004); SUPERMAN(Hiratsu et al., 2002)	
	<i>AtERF3</i> 、 <i>AtERF4</i> 、 <i>AtERF10</i> 、 <i>AtERF11</i> 、 <i>AtERF12</i> (Ohta et al., 2001); <i>AtERF7</i> (Song et al., 2005); DEAR1(Tsutsui et al., 2009)	ERF
	HSI2、HSI2-L1、HSI2-L2(Tsakagoshi et al., 2005,2007)	B3
	IAA12/BDL(Szemenyei et al., 2008); IAA17	AUX/IAA
	NIMIN1、NIMIN2、NIMIN3 (Chern et al., 2005)	NDBDP
	ZPT2-2、ZPT2-5、ZPT2-7、ZPT2-9、ZPT2-13、ZPT3-3、ZPT4-4 (Ohta et al., 2001);	ZFP
矮牵牛	ZPT2-3( <a href="#">Sugano</a> et al., 2003)	
<a href="#">Petunia</a>		
烟草	ZFT1( <a href="#">Uehara</a> et al., 2005)	ZFP
Tobacco	NtERF3(Ohta et al., 2001); NbCD1(Nasir et al., 2005)	ERF
	G8-1(Chern et al., 2005)	NDBDP
长春花	ZCT1-3( <a href="#">Pauw</a> et al., 2003)	ZFP
<a href="#">Periwinkle</a>		
小麦	WZF1(Ohta et al., 2001); TaZFPs(Kam et al., 2008)	ZFP
Wheat	wNRR(Chern et al., 2005)	NDBDP
大豆	GmERF4(Zhang et al., 2010)	ERF
Soybean		
陆地棉	GhERF4(Jin et al., 2008)	ERF
Upland cotton		
水稻	OsERF3(Ohta et al., 2001)	ERF
Rice	OsHSI2(Du et al., 2008)	B3
	NRR(Chern et al., 2005)	NDBDP

注: ZFP, 锌指蛋白; ERF, 乙烯反应因子; B3, B3 结构域蛋白; AUX/IAA, 生长素/吲哚乙酸蛋白; NDBDP, 无 DNA 结合域蛋白

Note: ZFP, Zinc finger protein; ERF, Ethylene responsive factor; B3, B3 domain protein; AUX/IAA, Auxin/indoleacetic acid proteins; NDBD: Non DNA Binding Domain protein