

**Supplementary Table S3. Numbers of satellite DNA families identified in repeat clustering data**

Code	Species	Genome proportion <sup>a</sup>			
		Total	>1.0%	0.1-1.0%	<0.1%
VER	<i>V. ervilia</i> (L.) Willd.	10	0	1	9
VSL	<i>V. sylvatica</i> L.	3	0	0	3
VHR	<i>V. hirsuta</i> (L.) S.F.Gray	14	0	9	5
LAL	<i>L. latifolius</i> L.	7	2	3	2
LAS	<i>L. sativus</i> L.	23	4	5	14
LAV	<i>L. vernus</i> (L.) Bernh.	8	0	1	7
PFL	<i>P. fulvum</i>	19	0	3	16
PST	<i>P. sativum</i> 'Terno'	15	1	4	10
VTS	<i>V. tetrasperma</i> (L.) Schreb.	15	0	3	12
VCR	<i>V. cracca</i> L. var. <i>cracca</i>	19	0	4	15
VVL	<i>V. villosa</i>	23	3	4	16
LNS	<i>L. culinaris</i> 'Eston'	23	0	1	22
VFB	<i>V. faba</i> 'Merkur'	31	2	6	23
VSA	<i>V. sativa</i> 'Ebena'	18	1	4	13
VGR	<i>V. grandiflora</i>	13	1	1	11
VSP	<i>V. sepium</i> L.	6	0	1	5
VLT	<i>V. lathyroides</i> L.	24	1	3	20
VNR	<i>V. narbonensis</i>	9	1	1	7
VML	<i>V. melanops</i> Sibth. et Sm. var. <i>melanops</i>	18	1	0	17
VPN	<i>V. pannonica</i> 'Dětěnická panonská'	7	1	1	5
VPR	<i>V. peregrina</i> L.	51	0	3	48
VUN	<i>V. unijuga</i> A.Br.	4	0	2	2
VPF	<i>V. pisiformis</i> L.	24	0	3	21
<b>Total:</b>		<b>384</b>	<b>18</b>	<b>63</b>	<b>303</b>

<sup>a</sup> Putative satellite repeats identified in each species were ranked into three categories based on their estimated genomic abundance (expressed as genome percentage). The table gives numbers of different satellite repeat families in each category.