

## Supplementary Material

### Phylogeny of the *Stipa* and implications for grassland evolution in China: based on biogeographic evidence

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#### 1 The GenBank accession number table for each sequence

Species name	Sequence name	GenBank accession numbers
<i>Stipa baicalensis</i>	matk	MF169101
	trnl-f	MF169124
	trnh-psba	MF169147
	rbcl	MF169170
<i>Stipa capillata</i>	matk	MF169102
	trnl-f	MF169125
	trnh-psba	MF169148
	rbcl	MF169171
<i>Stipa tianschanica</i>	matk	MF169103
	trnl-f	MF169126
	trnh-psba	MF169149
	rbcl	MF169172
<i>Stipa purpurea</i>	matk	MF169104
	trnl-f	MF169127
	trnh-psba	MF169150
	rbcl	MF169173
<i>Ptilagrostis pelliotii</i>	matk	MF169105
	trnl-f	MF169128
	trnh-psba	MF169151

	rbcl	MF169174
<i>Stipa klemenzii</i>	matk	MF169106
	trnl-f	MF169129
	trnh-psba	MF169152
	rbcl	MF169175
<i>Stipa przewalskyi</i>	matk	MF169107
	trnl-f	MF169130
	trnh-psba	MF169153
	rbcl	MF169176
<i>Stipa caucasica</i>	matk	MF169108
	trnl-f	MF169131
	trnh-psba	MF169154
	rbcl	MF169177
<i>Stipa krylovii</i>	matk	MF169109
	trnl-f	MF169132
	trnh-psba	MF169155
	rbcl	MF169178
<i>Stipa grandis</i>	matk	MF169110
	trnl-f	MF169133
	trnh-psba	MF169156
	rbcl	MF169179
<i>stipa aliena</i>	matk	MF169111
	trnl-f	MF169134
	trnh-psba	MF169157
	rbcl	MF169180
<i>Stipa Penicillata</i>	matk	MF169112
	trnl-f	MF169135
	trnh-psba	MF169158
	rbcl	MF169181

<i>Stipa sareptana</i>	matk	MF169113
	trnl-f	MF169136
	trnh-psba	MF169159
	rbcl	MF169182
<i>Stipa glareosa</i>	matk	MF169114
	trnl-f	MF169137
	trnh-psba	MF169160
	rbcl	MF169183
<i>Stipa regeliana</i>	matk	MF169115
	trnl-f	MF169138
	trnh-psba	MF169161
	rbcl	MF169184
<i>Stipa roborowskyi</i>	matk	MF169116
	trnl-f	MF169139
	trnh-psba	MF169162
	rbcl	MF169185
<i>Helictotrichon schellianum</i>	matk	MF169117
	trnl-f	MF169140
	trnh-psba	MF169163
	rbcl	MF169186
<i>Achnatherum splendens</i>	matk	MF169118
	trnl-f	MF169141
	trnh-psba	MF169164
	rbcl	MF169187
<i>Stipa orientalis</i>	matk	MF169119
	trnl-f	MF169142
	trnh-psba	MF169165
	rbcl	MF169188
<i>Stipa subsessiliflora</i>	matk	MF169120

	trnl-f	MF169143
	trnh-psba	MF169166
	rbcl	MF169189
<i>Stipa capillacea</i>	matk	MF169121
	trnl-f	MF169144
	trnh-psba	MF169167
	rbcl	MF169190
<i>Stipa basiplumosa</i>	matk	MF169122
	trnl-f	MF169145
	trnh-psba	MF169168
	rbcl	MF169191
<i>Stipa breviflora</i>	matk	MF169123
	trnl-f	MF169146
	trnh-psba	MF169169
	rbcl	MF169192