

**Table S1.** Reaction pattern of 112 soybean cultivars to 12 *P. sojae* strains

Germplasm	Reaction pattern	Resistance gene ( <i>RPS</i> )
Mengdou 28, Kejiao 10-262	R <sub>1</sub> R <sub>2</sub> R <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> R <sub>11</sub> R <sub>12</sub>	3a, 1a+3a, 1a+1b, 1b+1c, 1b+1d, 1b+3a, 1b+6, 1c+1d, 1c+3a, 1d+1k, 1d+3a, 1d+6
Heinong 53	S <sub>1</sub> S <sub>2</sub> S <sub>3</sub> S <sub>4</sub> S <sub>5</sub> R <sub>6</sub> S <sub>7</sub> S <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Suinong 28, Henong 60	S <sub>1</sub> S <sub>2</sub> S <sub>3</sub> S <sub>4</sub> S <sub>5</sub> S <sub>6</sub> S <sub>7</sub> S <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Kendou 6, Dongnong 4400	S <sub>1</sub> S <sub>2</sub> S <sub>3</sub> S <sub>4</sub> S <sub>5</sub> S <sub>6</sub> S <sub>7</sub> S <sub>8</sub> R <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Heihe 35	S <sub>1</sub> S <sub>2</sub> S <sub>3</sub> S <sub>4</sub> S <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Heinong 46	S <sub>1</sub> S <sub>2</sub> S <sub>3</sub> S <sub>4</sub> S <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> R <sub>9</sub> R <sub>10</sub> S <sub>11</sub> R <sub>12</sub>	
Heinong 56	S <sub>1</sub> S <sub>2</sub> S <sub>3</sub> S <sub>4</sub> S <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> R <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Jiyu 97	S <sub>1</sub> S <sub>2</sub> S <sub>3</sub> S <sub>4</sub> S <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Heinong 58	S <sub>1</sub> S <sub>2</sub> S <sub>3</sub> S <sub>4</sub> S <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> R <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Hefeng 37, Hefeng 51	S <sub>1</sub> S <sub>2</sub> S <sub>3</sub> S <sub>4</sub> S <sub>5</sub> S <sub>6</sub> S <sub>7</sub> S <sub>8</sub> R <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Suinong 23	S <sub>1</sub> S <sub>2</sub> S <sub>3</sub> S <sub>4</sub> S <sub>5</sub> S <sub>6</sub> R <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> R <sub>11</sub> R <sub>12</sub>	
Heihe 52	S <sub>1</sub> S <sub>2</sub> S <sub>3</sub> S <sub>4</sub> R <sub>5</sub> S <sub>6</sub> S <sub>7</sub> S <sub>8</sub> R <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Kenfeng 16	S <sub>1</sub> S <sub>2</sub> S <sub>3</sub> S <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> R <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Hefeng 45	S <sub>1</sub> S <sub>2</sub> R <sub>3</sub> S <sub>4</sub> S <sub>5</sub> R <sub>6</sub> R <sub>7</sub> S <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Hefeng 55	S <sub>1</sub> S <sub>2</sub> R <sub>3</sub> S <sub>4</sub> S <sub>5</sub> S <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Heinong 37	R <sub>1</sub> S <sub>2</sub> S <sub>3</sub> R <sub>4</sub> S <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Hefeng 52	R <sub>1</sub> S <sub>2</sub> R <sub>3</sub> R <sub>4</sub> R <sub>5</sub> S <sub>6</sub> R <sub>7</sub> R <sub>8</sub> R <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Heihe 27	S <sub>1</sub> S <sub>2</sub> R <sub>3</sub> R <sub>4</sub> S <sub>5</sub> S <sub>6</sub> S <sub>7</sub> R <sub>8</sub> R <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Mengdou 12	S <sub>1</sub> S <sub>2</sub> R <sub>3</sub> S <sub>4</sub> R <sub>5</sub> S <sub>6</sub> S <sub>7</sub> S <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Hefeng 54	S <sub>1</sub> R <sub>2</sub> S <sub>3</sub> S <sub>4</sub> R <sub>5</sub> S <sub>6</sub> S <sub>7</sub> S <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Mengdou 31	S <sub>1</sub> R <sub>2</sub> R <sub>3</sub> S <sub>4</sub> R <sub>5</sub> S <sub>6</sub> S <sub>7</sub> S <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Suinong 25	S <sub>1</sub> R <sub>2</sub> S <sub>3</sub> S <sub>4</sub> R <sub>5</sub> S <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Beifeng 11	S <sub>1</sub> R <sub>2</sub> S <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> R <sub>11</sub> S <sub>12</sub>	
Beidou 42	S <sub>1</sub> R <sub>2</sub> R <sub>3</sub> S <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> R <sub>9</sub> S <sub>10</sub> R <sub>11</sub> R <sub>12</sub>	
Suinong 38	R <sub>1</sub> S <sub>2</sub> S <sub>3</sub> S <sub>4</sub> R <sub>5</sub> S <sub>6</sub> S <sub>7</sub> R <sub>8</sub> R <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Heinong 59	R <sub>1</sub> S <sub>2</sub> S <sub>3</sub> S <sub>4</sub> R <sub>5</sub> S <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Heinong 52	R <sub>1</sub> S <sub>2</sub> S <sub>3</sub> S <sub>4</sub> S <sub>5</sub> S <sub>6</sub> S <sub>7</sub> S <sub>8</sub> R <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Suinong 14	R <sub>1</sub> S <sub>2</sub> S <sub>3</sub> S <sub>4</sub> S <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Suinong 31, Kenjiandou 28	R <sub>1</sub> S <sub>2</sub> S <sub>3</sub> S <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> R <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Heihe 36	R <sub>1</sub> S <sub>2</sub> S <sub>3</sub> S <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Heihe 53	R <sub>1</sub> S <sub>2</sub> S <sub>3</sub> S <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> R <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Heihe 43, Heinong 54	R <sub>1</sub> S <sub>2</sub> S <sub>3</sub> S <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Suinong 37	R <sub>1</sub> S <sub>2</sub> S <sub>3</sub> S <sub>4</sub> R <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> R <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Heihe 4	R <sub>1</sub> S <sub>2</sub> S <sub>3</sub> S <sub>4</sub> R <sub>5</sub> S <sub>6</sub> R <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> S <sub>11</sub> R <sub>12</sub>	
Dengke 1	R <sub>1</sub> S <sub>2</sub> R <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> R <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Kejiao 10-2192	R <sub>1</sub> S <sub>2</sub> S <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Heinong 51	R <sub>1</sub> S <sub>2</sub> S <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> R <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Dengke 4	R <sub>1</sub> R <sub>2</sub> R <sub>3</sub> R <sub>4</sub> R <sub>5</sub> S <sub>6</sub> R <sub>7</sub> R <sub>8</sub> R <sub>9</sub> R <sub>10</sub> R <sub>11</sub> R <sub>12</sub>	
Hefeng 35	R <sub>1</sub> S <sub>2</sub> S <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> S <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	

**Table S1.** (Continued from previous page)

Germplasm	Reaction pattern	Resistance gene ( <i>RPS</i> )
Hongfeng 3	R <sub>1</sub> S <sub>2</sub> S <sub>3</sub> R <sub>4</sub> R <sub>5</sub> S <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> R <sub>12</sub>	
Suinong 24	R <sub>1</sub> S <sub>2</sub> R <sub>3</sub> S <sub>4</sub> R <sub>5</sub> S <sub>6</sub> S <sub>7</sub> S <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Dengke 10	R <sub>1</sub> S <sub>2</sub> S <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> S <sub>8</sub> R <sub>9</sub> R <sub>10</sub> R <sub>11</sub> R <sub>12</sub>	
Heihe 22, Kenfeng 22	R <sub>1</sub> S <sub>2</sub> R <sub>3</sub> S <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Mengdou 14	R <sub>1</sub> S <sub>2</sub> R <sub>3</sub> S <sub>4</sub> R <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> R <sub>11</sub> S <sub>12</sub>	
Suinong 41	R <sub>1</sub> S <sub>2</sub> R <sub>3</sub> S <sub>4</sub> R <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> R <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Suinong 29	R <sub>1</sub> R <sub>2</sub> S <sub>3</sub> R <sub>4</sub> R <sub>5</sub> S <sub>6</sub> S <sub>7</sub> R <sub>8</sub> R <sub>9</sub> R <sub>10</sub> R <sub>11</sub> R <sub>12</sub>	
Suinong 35	R <sub>1</sub> R <sub>2</sub> S <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> R <sub>9</sub> R <sub>10</sub> R <sub>11</sub> R <sub>12</sub>	
Mengdou 33	R <sub>1</sub> S <sub>2</sub> R <sub>3</sub> S <sub>4</sub> R <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Heihe 29	R <sub>1</sub> S <sub>2</sub> R <sub>3</sub> S <sub>4</sub> R <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> R <sub>9</sub> S <sub>10</sub> S <sub>11</sub> R <sub>12</sub>	
Hefeng 44	R <sub>1</sub> S <sub>2</sub> R <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> S <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Fengshou 27	R <sub>1</sub> S <sub>2</sub> R <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> S <sub>10</sub> R <sub>11</sub> R <sub>12</sub>	
Heihe 33	R <sub>1</sub> S <sub>2</sub> R <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> R <sub>9</sub> S <sub>10</sub> S <sub>11</sub> R <sub>12</sub>	
Heihe 26	R <sub>1</sub> S <sub>2</sub> R <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Heinong 67	R <sub>1</sub> S <sub>2</sub> R <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Mengdou 15	R <sub>1</sub> S <sub>2</sub> R <sub>3</sub> R <sub>4</sub> R <sub>5</sub> S <sub>6</sub> R <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> R <sub>11</sub> R <sub>12</sub>	
Mengdou 38, Mengdou 36	R <sub>1</sub> S <sub>2</sub> R <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Mengdou 13, Mengdou 16, Mengdou 30, Mengdou 34, Mengdou 35 and Mengdou 26	R <sub>1</sub> S <sub>2</sub> R <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Dengke 3, Kejiao 07-584	R <sub>1</sub> S <sub>2</sub> R <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> R <sub>11</sub> R <sub>12</sub>	
Mengdou 9	R <sub>1</sub> S <sub>2</sub> R <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> R <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Suinong 22	R <sub>1</sub> R <sub>2</sub> S <sub>3</sub> S <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> R <sub>11</sub> R <sub>12</sub>	
Suizhongzuo 40	R <sub>1</sub> R <sub>2</sub> S <sub>3</sub> S <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> R <sub>9</sub> R <sub>10</sub> R <sub>11</sub> S <sub>12</sub>	
Dongnong 47	R <sub>1</sub> R <sub>2</sub> S <sub>3</sub> S <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Hefeng 46	R <sub>1</sub> R <sub>2</sub> S <sub>3</sub> S <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> R <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Suinong 27	R <sub>1</sub> R <sub>2</sub> S <sub>3</sub> S <sub>4</sub> R <sub>5</sub> S <sub>6</sub> S <sub>7</sub> S <sub>8</sub> S <sub>9</sub> R <sub>10</sub> S <sub>11</sub> R <sub>12</sub>	
Fengshou 24	R <sub>1</sub> R <sub>2</sub> S <sub>3</sub> S <sub>4</sub> R <sub>5</sub> S <sub>6</sub> S <sub>7</sub> R <sub>8</sub> R <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Heihe 45	R <sub>1</sub> R <sub>2</sub> S <sub>3</sub> S <sub>4</sub> R <sub>5</sub> S <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Mengdou 32, Hefeng 41	R <sub>1</sub> R <sub>2</sub> S <sub>3</sub> R <sub>4</sub> S <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> S <sub>11</sub> R <sub>12</sub>	
Heihe 6	R <sub>1</sub> R <sub>2</sub> S <sub>3</sub> S <sub>4</sub> R <sub>5</sub> S <sub>6</sub> S <sub>7</sub> R <sub>8</sub> R <sub>9</sub> R <sub>10</sub> S <sub>11</sub> R <sub>12</sub>	
Beidou 9	S <sub>1</sub> S <sub>2</sub> R <sub>3</sub> R <sub>4</sub> S <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Dengke 5	R <sub>1</sub> R <sub>2</sub> S <sub>3</sub> R <sub>4</sub> R <sub>5</sub> S <sub>6</sub> S <sub>7</sub> S <sub>8</sub> S <sub>9</sub> S <sub>10</sub> R <sub>11</sub> S <sub>12</sub>	
Heinong 55	R <sub>1</sub> R <sub>2</sub> S <sub>3</sub> R <sub>4</sub> S <sub>5</sub> R <sub>6</sub> S <sub>7</sub> S <sub>8</sub> S <sub>9</sub> S <sub>10</sub> R <sub>11</sub> R <sub>12</sub>	
Hefeng 50	R <sub>1</sub> R <sub>2</sub> S <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Heihe 18	R <sub>1</sub> R <sub>2</sub> S <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Henong 67, Suinong 33	R <sub>1</sub> R <sub>2</sub> S <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> R <sub>11</sub> R <sub>12</sub>	
Hefeng 48	R <sub>1</sub> R <sub>2</sub> S <sub>3</sub> R <sub>4</sub> R <sub>5</sub> S <sub>6</sub> S <sub>7</sub> S <sub>8</sub> R <sub>9</sub> R <sub>10</sub> R <sub>11</sub> R <sub>12</sub>	
Neidou 4	R <sub>1</sub> R <sub>2</sub> S <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> S <sub>11</sub> R <sub>12</sub>	
Suinong 36	R <sub>1</sub> R <sub>2</sub> S <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> R <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Kennong 5	R <sub>1</sub> R <sub>2</sub> R <sub>3</sub> S <sub>4</sub> S <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	

**Table S1.** (Continued from previous page)

Germplasm	Reaction pattern	Resistance gene ( <i>RPS</i> )
Kejiao 08-952	R <sub>1</sub> R <sub>2</sub> R <sub>3</sub> S <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> R <sub>11</sub> S <sub>12</sub>	
Heinong 57	R <sub>1</sub> R <sub>2</sub> R <sub>3</sub> R <sub>4</sub> S <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> R <sub>9</sub> R <sub>10</sub> R <sub>11</sub> R <sub>12</sub>	
Hefeng 39	R <sub>1</sub> R <sub>2</sub> R <sub>3</sub> R <sub>4</sub> R <sub>5</sub> S <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> R <sub>11</sub> R <sub>12</sub>	
Dengke 9	R <sub>1</sub> R <sub>2</sub> R <sub>3</sub> R <sub>4</sub> S <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Suinong 21	R <sub>1</sub> R <sub>2</sub> S <sub>3</sub> R <sub>4</sub> S <sub>5</sub> S <sub>6</sub> S <sub>7</sub> S <sub>8</sub> S <sub>9</sub> R <sub>10</sub> R <sub>11</sub> R <sub>12</sub>	
Heihe 48, Dengke 6	R <sub>1</sub> R <sub>2</sub> R <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Fengshou 23	R <sub>1</sub> R <sub>2</sub> R <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> R <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Suinong 32, Henong 75	R <sub>1</sub> R <sub>2</sub> R <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> R <sub>10</sub> R <sub>11</sub> R <sub>12</sub>	
Mengdou 37, Kejiao 10-2333 and Mengdou 11	R <sub>1</sub> R <sub>2</sub> R <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> R <sub>12</sub>	
Jiyu 35	R <sub>1</sub> R <sub>2</sub> R <sub>3</sub> R <sub>4</sub> S <sub>5</sub> R <sub>6</sub> S <sub>7</sub> R <sub>8</sub> R <sub>9</sub> R <sub>10</sub> R <sub>11</sub> R <sub>12</sub>	
Heihe 50	R <sub>1</sub> R <sub>2</sub> R <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> R <sub>7</sub> S <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Keshan 1	R <sub>1</sub> R <sub>2</sub> R <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> S <sub>9</sub> S <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Suinong 26	R <sub>1</sub> R <sub>2</sub> S <sub>3</sub> R <sub>4</sub> S <sub>5</sub> R <sub>6</sub> S <sub>7</sub> S <sub>8</sub> S <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	
Beidou 48	R <sub>1</sub> R <sub>2</sub> R <sub>3</sub> R <sub>4</sub> R <sub>5</sub> R <sub>6</sub> R <sub>7</sub> R <sub>8</sub> R <sub>9</sub> R <sub>10</sub> S <sub>11</sub> S <sub>12</sub>	

Note: <sup>1</sup>race 1, <sup>2</sup>race 3, <sup>3</sup>race 4, <sup>4</sup>race 5, <sup>5</sup>race 9, <sup>6</sup>race 13, <sup>7</sup>race 44, <sup>8</sup>race 54, <sup>9</sup>PsJS2, <sup>10</sup>PsMC1, <sup>11</sup>Ps41-1, <sup>12</sup>USAR2.

**Table S2.** Evaluation of soybean germplasm with partial resistance to *P. sojae* strains using inoculum layer method

[illegible]

**Table S2.** (Continued from previous page)

Germplasm	Disease index (DI) <sup>z</sup>												
	race1	race3	race4	race5	race9	race13	race44	race54	PsJs2	PsMC1	Ps41-1	USAR2	Mean
Heinong 58	51.11	53.48	52.22	53.33	82.22	—	—	—	—	—	78.61	67.90	62.70
Heinong 59	—	58.36	48.70	46.11	—	80.22	68.44	—	45.30	—	53.70	40.17	55.13
Heinong 67	—	23.46	—	—	—	—	30.29	—	68.77	47.89	46.48	11.11	38.00
Hefeng 35	—	16.67	12.91	—	—	—	48.26	13.40	61.46	86.90	32.10	16.72	36.05
Hefeng 37	47.53	43.09	71.97	86.90	30.09	33.33	43.52	71.60	—	18.52	38.52	56.94	49.27
Hefeng 39	—	—	—	—	—	70.16	54.32	—	61.47	—	—	—	61.98
Hefeng 41	—	—	41.73	—	58.99	—	57.87	—	41.59	—	29.28	—	45.89
Hefeng 44	—	25.51	—	—	—	—	81.75	59.54	36.42	27.88	59.72	22.22	44.72
Hefeng 45	40.95	14.91	—	55.56	50.95	—	—	28.52	50.40	37.65	69.14	45.91	43.78
Hefeng 46	—	—	16.42	39.11	—	—	13.42	—	—	—	26.79	38.62	26.87
Hefeng 48	—	—	82.55	—	—	29.26	31.75	41.93	—	—	—	—	46.37
Hefeng 50	—	—	36.63	—	—	—	69.18	—	36.67	—	42.96	27.78	42.64
Hefeng 51	38.78	26.30	67.42	62.72	62.24	31.85	35.24	15.93	—	20.99	52.10	41.21	41.34
Hefeng 52	—	19.38	—	—	—	13.83	—	—	—	17.18	12.35	16.87	15.92
Hefeng 54	23.05	—	47.22	48.77	—	19.29	55.40	19.29	26.85	43.52	37.57	37.37	35.83
Hefeng 55	41.72	25.19	—	84.44	62.47	21.77	62.22	—	24.07	21.10	37.04	14.44	39.45
Suinong 14	—	30.68	34.52	55.09	13.23	—	25.68	—	17.92	—	24.07	66.01	33.40
Suinong 21	—	—	21.11	—	78.89	13.33	38.15	14.81	67.48	—	—	—	38.96
Suinong 22	—	—	32.61	32.06	—	—	59.54	—	43.27	—	—	—	41.87
Suinong 23	20.16	18.31	46.50	22.22	59.54	74.73	—	—	42.80	—	—	—	40.61

**Table S2.** (Continued from previous page)

Germplasm	Disease index (DI) <sup>z</sup>												
	race1	race3	race4	race5	race9	race13	race44	race54	PsJs2	PsMC1	Ps41-1	USAR2	Mean
Suinong 24	—	33.37	—	65.15	—	22.55	21.73	36.63	74.92	24.07	51.09	30.74	40.03
Suinong 25	11.11	—	41.73	22.22	—	71.06	57.87	—	41.59	—	29.81	23.05	37.31
Suinong 26	—	—	14.89	—	17.28	—	83.70	40.10	48.40	—	24.34	13.82	34.65
Suinong 27	—	—	15.24	11.11	—	16.05	22.91	27.04	17.07	—	61.48	—	24.41
Suinong 28	16.67	16.93	16.91	52.72	11.11	29.45	12.26	15.94	41.41	30.97	79.37	41.98	30.48
Suinong 29	—	—	18.91	—	—	31.11	26.30	—	—	—	—	—	25.44
Suinong 31	—	22.63	52.98	42.22	—	—	26.67	—	—	24.81	67.90	12.96	35.74
Suinong 32	—	—	—	—	—	—	70.99	—	42.96	—	—	—	56.98
Suinong 33	—	—	79.01	—	—	—	28.77	—	23.99	—	—	—	43.92
Suinong 35	—	—	19.71	—	—	—	—	—	—	—	—	—	19.71
Suinong 36	—	—	38.12	—	—	—	—	—	—	—	61.19	32.51	43.94
Suinong 37	—	24.39	80.32	46.60	—	—	—	—	—	18.83	77.41	18.64	44.37
Suinong 38	—	15.72	21.44	16.75	—	24.54	22.22	—	—	—	60.13	17.06	25.41
Suizhongzuo 40	—	—	36.78	19.64	—	—	27.78	—	—	—	—	14.20	24.60
Suinong 41	—	22.55	—	16.87	—	—	—	—	—	—	76.79	11.93	32.04
Keshan 1	—	—	—	—	—	—	—	—	11.93	21.56	25.93	47.90	31.04
Kejiao 07-584	—	50.18	—	—	—	—	—	—	53.43	—	—	—	51.81
Kejiao 08-952	—	—	—	11.11	—	—	61.47	—	42.39	—	—	41.45	39.11
Kejiao 10-2192	—	38.13	11.11	—	—	—	—	—	26.35	—	56.54	45.93	35.61
Kejiao 10-2333	—	—	—	—	—	—	70.16	—	37.64	11.11	59.26	—	44.54

**Table S2.** (Continued from previous page)

Germplasm	Disease index (DI) <sup>z</sup>												
	race1	race3	race4	race5	race9	race13	race44	race54	PsJs2	PsMC1	Ps41-1	USAR2	Mean
Kejiao 10-262	—	—	—	—	—	—	—	—	26.33	—	—	—	26.33
Beidou 9	19.54	18.52	—	—	11.11	—	—	—	39.88	46.43	43.62	41.67	31.54
Beidou 42	11.11	—	—	11.11	—	—	37.10	—	—	51.39	—	—	27.68
Beidou 48	—	—	—	—	—	—	—	—	—	—	66.85	34.92	50.89
Beifeng 11	17.06	—	11.11	—	—	—	—	—	76.19	—	—	46.60	37.74
Fengshou 23	—	—	—	—	—	—	13.40	—	—	—	47.89	40.49	33.93
Fengshou 24	—	—	29.63	22.22	—	73.54	16.54	—	—	37.10	49.38	11.11	34.22
Fengshou 27	—	14.79	—	—	—	—	13.40	—	40.12	70.16	—	—	34.62
Dongnong 4400	21.07	14.92	13.84	71.09	13.27	63.46	54.07	15.48	—	—	56.79	39.47	36.35
Heihe 4	—	12.41	14.57	12.96	—	24.75	—	—	44.53	—	55.11	—	27.39
Heihe 6	—	—	33.80	30.48	—	71.43	20.41	—	—	—	14.51	—	34.13
Dongnong 47	—	—	13.39	77.78	—	—	23.33	—	19.26	76.95	18.40	38.44	38.22
Heihe 18	—	—	12.70	—	—	—	56.91	—	12.04	29.20	74.63	32.10	36.26
Heihe 22	—	16.67	—	36.42	—	—	48.26	—	61.46	86.90	32.10	16.72	42.65
Heihe 26	—	17.28	—	—	—	—	53.92	—	65.28	—	55.97	50.85	48.66
Heihe 27	55.56	39.86	—	—	30.30	37.57	37.10	—	—	—	65.61	11.85	39.69
Heihe 29	—	13.24	—	28.89	—	—	—	—	—	34.81	42.46	—	29.85
Heihe 33	—	21.14	—	—	—	—	13.42	—	—	61.47	26.79	—	30.71
Heihe 35	38.07	12.41	14.57	12.96	12.35	—	34.39	—	44.53	28.50	55.11	14.35	26.72
Heihe 36	—	21.14	16.42	43.83	—	—	13.42	—	70.16	—	26.79	38.62	32.91

**Table S2.** (Continued from previous page)

Germplasm	Disease index (DI) <sup>z</sup>												
	race1	race3	race4	race5	race9	race13	race44	race54	PsJs2	PsMC1	Ps41-1	USAR2	Mean
Heihe 43	—	24.26	22.10	34.60	—	—	39.54	—	41.98	18.88	19.07	35.65	29.51
Heihe 45	—	—	63.81	54.91	—	35.31	55.09	—	49.17	15.66	79.20	12.70	45.73
Heihe 48	—	—	—	—	—	—	27.18	—	27.74	16.14	44.75	22.22	27.61
Heihe 50	—	—	—	—	—	—	—	37.04	70.90	70.16	62.88	11.11	50.42
Heihe 52	38.14	23.10	20.78	55.40	—	51.85	24.41	11.11	—	—	17.39	20.06	29.14
Heihe 53	—	31.57	51.59	48.61	—	—	40.93	—	—	—	55.09	18.52	41.05
Neidou 4	—	—	13.76	—	—	—	—	—	15.59	—	52.34	—	33.05
Mengdou 9	—	13.89	—	—	—	—	—	—	—	31.69	11.11	44.03	25.18
Mengdou 11	—	—	—	—	—	—	22.91	—	17.07	16.67	61.48	—	18.88
Mengdou 12	24.24	23.05	—	18.27	—	17.05	65.07	20.97	14.71	22.09	17.20	46.16	26.88
Mengdou 13	—	45.47	—	—	—	—	—	—	29.73	19.36	11.11	11.11	23.36
Mengdou 14	—	20.33	—	36.73	—	—	—	—	24.94	—	—	13.43	23.86
Mengdou 15	—	19.91	—	—	—	65.61	—	—	37.10	—	—	—	40.87
Mengdou 16	—	39.51	—	—	—	—	—	—	54.06	59.01	61.47	25.99	48.01
Mengdou 26	—	11.11	—	—	—	—	—	—	78.71	38.89	11.93	31.57	34.44
Mengdou 28	—	—	—	—	—	—	—	—	16.72	—	—	—	16.72
Mengdou 30	—	38.35	—	—	—	—	—	—	56.48	57.30	54.94	44.81	50.38
Mengdou 31	21.69	—	—	59.55	—	51.65	35.65	40.14	54.50	37.59	61.47	33.13	43.93
Mengdou 32	—	—	11.85	—	16.84	—	11.85	—	17.49	—	43.38	—	20.28
Mengdou 33	—	15.28	—	16.20	—	—	—	—	14.66	—	34.07	35.01	23.04

**Table S2.** (Continued from previous page)

Germplasm	Disease index (DI) <sup>Z</sup>												
	race1	race3	race4	race5	race9	race13	race44	race54	PsJs2	PsMC1	Ps41-1	USAR2	Mean
Mengdou 34	—	42.06	—	—	—	—	—	—	16.72	53.54	54.94	31.48	39.75
Mengdou 35	—	17.16	—	—	—	—	—	—	30.26	31.79	26.19	22.93	25.67
Mengdou 36	—	26.70	—	—	—	—	—	—	61.47	—	16.72	18.52	30.85
Mengdou 37	—	—	—	—	—	—	15.56	—	25.39	28.57	43.80	—	28.33
Mengdou 38	—	18.52	—	—	—	—	—	—	61.01	—	24.94	11.11	28.90
Dengke 1	—	37.04	—	—	—	—	—	—	—	—	37.10	15.41	29.85
Dengke 3	—	11.11	—	—	—	—	—	—	54.94	—	—	—	33.03
Dengke 4	—	—	—	—	—	13.58	—	—	—	—	—	—	13.58
Dengke 5	—	—	42.86	—	—	61.06	34.20	49.85	34.17	45.30	—	31.90	42.76
Dengke 6	—	—	—	—	—	—	20.99	—	19.71	30.55	59.16	12.96	28.67
Dengke 9	—	—	—	—	11.11	—	—	—	32.61	—	33.98	34.36	28.02
Dengke 10	—	23.10	20.78	—	—	—	24.41	11.11	—	—	—	—	19.85
Henong 60	42.22	40.00	41.30	39.51	60.00	25.56	69.49	86.90	79.38	49.55	78.89	61.23	56.17
Henong 67	—	—	46.30	—	—	—	26.76	—	23.23	—	—	—	32.10
Henong 75	—	—	—	—	—	—	27.88	—	50.58	—	—	—	39.23
Kenfeng 16	34.81	19.63	38.93	24.53	—	—	31.67	—	—	17.04	52.37	12.96	28.99
Kendou 6	42.59	20.37	57.05	17.70	13.24	24.60	29.75	26.91	—	—	60.82	14.63	30.77
Kenjiandou 28	—	44.44	15.19	17.72	—	—	59.94	—	—	45.93	86.73	29.63	42.80
Kenfeng 22	—	25.68	—	41.45	—	—	38.07	—	78.80	24.94	29.17	11.11	35.60
Kennong 5	—	—	—	11.11	56.91	—	—	—	35.21	29.63	41.42	11.11	30.90
Jiyu 35	—	—	—	—	30.00	—	16.52	—	—	—	—	—	23.26



**Table S2.** (Continued from previous page)

Germplasm	Disease index (DI) <sup>Z</sup>												
	race1	race3	race4	race5	race9	race13	race44	race54	PsJs2	PsMC1	Ps41-1	USAR2	Mean
Jiyu 97	21.23	72.35	84.10	81.75	56.30	—	37.04	—	32.04	—	61.30	20.52	51.85
Hongfeng 3	—	13.22	50.91	—	—	12.96	24.85	—	31.16	38.02	39.14	—	30.04

Note: <sup>Z</sup> Values are the average of three experiments. '—' =Once a germplasm was identified as resistance to *P. sojae* strains in hypocotyl inoculation test, the germplasm was not evaluated for partial resistance. The grey part of the table shows soybean cultivars with high partial resistance.

**Table S3.** Comparison of partial resistance evaluation of randomly selected races inoculated by inoculum layer method and radicle inoculation method

Germplasm	Disease index (DI) <sup>Z</sup>					
	race1		race13		race54	
	ILM	RIM	ILM	RIM	ILM	RIM
Heinong 37	—	—	—	—	—	—
Heinong 46	75.06	68.15	—	—	—	—
Heinong 51	—	—	—	—	—	—
Heinong 52	—	—	58.99	49.63	68.75	57.78
Heinong 53	41.73	28.89	—	—	45.37	20.00
Heinong 54	—	—	—	—	—	—
Heinong 55	—	—	—	—	39.63	30.37
Heinong 56	43.62	32.59	—	—	—	—
Heinong 57	—	—	—	—	—	—
Heinong 58	51.11	45.19	—	—	—	—
Heinong 59	—	—	80.22	68.89	—	—
Heinong 67	—	—	—	—	—	—
Hefeng 35	—	—	—	—	13.40	1.48
Hefeng 37	47.53	33.33	33.33	24.45	71.60	69.63
Hefeng 39	—	—	70.16	59.26	—	—
Hefeng 41	—	—	—	—	—	—
Hefeng 44	—	—	—	—	59.54	45.19
Hefeng 45	40.95	25.19	—	—	28.52	14.08
Hefeng 46	—	—	—	—	—	—
Hefeng 48	—	—	29.26	14.82	41.93	19.26
Hefeng 50	—	—	—	—	—	—
Hefeng 51	38.78	22.22	31.85	17.04	15.93	11.11
Hefeng 52	—	—	13.83	1.48	—	—

**Table S3.** (Continued from previous page)

Germplasm	Disease index (DI) <sup>Z</sup>					
	race1		race13		race54	
	ILM	RIM	ILM	RIM	ILM	RIM
Hefeng 54	23.05	11.11	19.29	7.41	19.29	6.67
Hefeng 55	41.72	27.42	21.77	12.59	—	—
Suinong 14	—	—	—	—	—	—
Suinong 21	—	—	13.33	0.74	14.81	11.11
Suinong 22	—	—	—	—	—	—
Suinong 23	20.16	11.11	74.73	62.96	—	—
Suinong 24	—	—	22.55	9.63	36.63	15.56
Suinong 25	11.11	0.00	71.06	57.04	—	—
Suinong 26	—	—	—	—	40.10	27.41
Suinong 27	—	—	16.05	6.67	27.04	15.56
Suinong 28	16.67	9.63	29.45	3.70	15.94	34.82
Suinong 29	—	—	31.11	20.00	—	—
Suinong 31	—	—	—	—	—	—
Suinong 32	—	—	—	—	—	—
Suinong 33	—	—	—	—	—	—
Suinong 35	—	—	—	—	—	—
Suinong 36	—	—	—	—	—	—
Suinong 37	—	—	—	—	—	—
Suinong 38	—	—	24.54	17.04	—	—
Suizhongzuo 40	—	—	—	—	—	—
Suinong 41	—	—	—	—	—	—
Keshan 1	—	—	—	—	—	—
Kejiao 07-584	—	—	—	—	—	—
Kejiao 08-952	—	—	—	—	—	—
Kejiao 10-2192	—	—	—	—	—	—
Kejiao 10-2333	—	—	—	—	—	—
Kejiao 10-262	—	—	—	—	—	—
Beidou 9	19.54	2.22	—	—	—	—
Beidou 42	11.11	20.00	—	—	—	—
Beidou 48	—	—	—	—	—	—
Beifeng 11	17.06	0.00	—	—	—	—
Fengshou 23	—	—	—	—	—	—
Fengshou 24	—	—	73.54	60.00	—	—
Fengshou 27	—	—	—	—	—	—
Dongnong 4400	21.07	12.59	63.46	47.21	15.48	4.45
Heihe 4	—	—	24.75	16.30	—	—

**Table S3.** (Continued from previous page)

Germplasm	Disease index (DI) <sup>Z</sup>					
	race1		race13		race54	
	ILM	RIM	ILM	RIM	ILM	RIM
Heihe 6	—	—	71.43	68.15	—	—
Dongnong 47	—	—	—	—	—	—
Heihe 18	—	—	—	—	—	—
Heihe 22	—	—	—	—	—	—
Heihe 26	—	—	—	—	—	—
Heihe 27	55.56	20.00	37.57	40.74	—	—
Heihe 29	—	—	—	—	—	—
Heihe 33	—	—	—	—	—	—
Heihe 35	38.07	23.70	—	—	—	—
Heihe 36	—	—	—	—	—	—
Heihe 43	—	—	—	—	—	—
Heihe 45	—	—	35.31	23.70	—	—
Heihe 48	—	—	—	—	—	—
Heihe 50	—	—	—	—	37.04	2.22
Heihe 52	38.14	31.85	51.85	40.74	11.11	2.22
Heihe 53	—	—	—	—	—	—
Neidou 4	—	—	—	—	—	—
Mengdou 9	—	—	—	—	—	—
Mengdou 11	—	—	—	—	—	—
Mengdou 12	24.24	11.11	17.05	3.70	20.97	8.89
Mengdou 13	—	—	—	—	—	—
Mengdou 14	—	—	—	—	—	—
Mengdou 15	—	—	65.61	2.96	—	—
Mengdou 16	—	—	—	—	—	—
Mengdou 26	—	—	—	—	—	—
Mengdou 28	—	—	—	—	—	—
Mengdou 30	—	—	—	—	—	—
Mengdou 31	21.69	10.37	51.65	22.96	40.14	23.70
Mengdou 32	—	—	—	—	—	—
Mengdou 33	—	—	—	—	—	—
Mengdou 34	—	—	—	—	—	—
Mengdou 35	—	—	—	—	—	—
Mengdou 36	—	—	—	—	—	—
Mengdou 37	—	—	—	—	—	—
Mengdou 38	—	—	—	—	—	—
Dengke 1	—	—	—	—	—	—

**Table S3.** (Continued from previous page)

Germplasm	Disease index (DI) <sup>Z</sup>					
	race1		race13		race54	
	ILM	RIM	ILM	RIM	ILM	RIM
Dengke 3	—	—	—	—	—	—
Dengke 4	—	—	13.58	1.48	—	—
Dengke 5	—	—	61.06	20.00	49.85	39.26
Dengke 6	—	—	—	—	—	—
Dengke 9	—	—	—	—	—	—
Dengke 10	—	—	—	—	11.11	4.45
Henong 60	42.22	33.33	25.56	12.59	86.90	75.56
Henong 67	—	—	—	—	—	—
Henong 75	—	—	—	—	—	—
Kenfeng 16	34.81	22.96	—	—	—	—
Kendou 6	42.59	25.19	24.60	21.48	26.91	14.08
Kenjiandou 28	—	—	—	—	—	—
Kenfeng 22	—	—	—	—	—	—
Kennong 5	—	—	—	—	—	—
Jiyu 35	—	—	—	—	—	—
Jiyu 97	21.23	8.89	—	—	—	—
Hongfeng 3	—	—	12.96	0.00	—	—

Note: <sup>Z</sup> Values are the average of three experiments. '—' =Once a germplasm was identified as resistance to *P. sojae* strains in hypocotyl inoculation test, the germplasm was not evaluated for partial resistance. ILM, Inoculum Layer Method; RIM, Radicle Inoculation Method. The grey part of the table shows the same level of partial resistance to *P. sojae*.