

Figure S2

Lange *et al.*

<b>FAP59</b>	TAACWGTNGGNCAACCWTATT	<b>PPF1</b>	AACAATGTGTAGACATTATAAACGAGC	<b>AR-E1F2</b>	ATGGTNCAGTGGCNTATGA
<b>CPV1</b> (6964-6985)	.t.....t..	<b>CPV1</b> (1877-1904)	.....c...t.....aa...	<b>CPV1</b> (1737-1757)	.....
<b>CPV2</b> (6332-6353)	.c.....a.....	<b>CPV2</b> (1889-1916)	..a....gtc..g....c...aa.ca	<b>CPV2</b> (1749-1769)	.....
<b>CPV3</b> (5884-5905)	.g.....a.....t..	<b>CPV3</b> (1886-1913)	.gtg...gtc.ag....c.gg...t..	<b>CPV3</b> (1746-1766)	.....
<b>CPV4</b> (5922-5943)	.g.c.....a.....t..	<b>CPV4</b> (1970-1997)	...c....gtc.....c.....ga....	<b>CPV4</b> (1830-1850)	.....
<b>CPV5</b> (6294-6315)	.g.....a.....t..	<b>CPV5</b> (2289-2316)	tggt...gt..ag.....ga.g..	<b>CPV5</b> (2149-2169)	.....
<b>CPV6</b> (6495-6516)	.....ctg.	<b>CPV6</b> (1785-1812)	.....c...t.....a....	<b>CPV6</b> (1645-1665)	.....a.....
<b>CPV7</b> (6162-6183)	.....a.....	<b>CPV7</b> (1862-1889)	..a....gtc.ag....c...aa.ca	<b>CPV7</b> (1722-1742)	.....a.....
<b>FAP64</b>	CCWATATCWVHCATNTCNCCATC	<b>PapF</b>	ATGGCGGATAAAA-----AAGGTA	<b>AR-E1R9</b>	CATTWGTDGTDAYMAGSAKRGGVGGCA
<b>CPV1</b> (7434-7457)	.....	<b>CPV1</b> (816-835)	.....c.g.. .....	<b>CPV1</b> (2337-2365)	.....
<b>CPV2</b> (6790-6813)	....c.....g.....	<b>CPV2</b> (795-820)	.....c..agg.ggtgaaag.....	<b>CPV2</b> (2349-2377)	.....a.....ca.
<b>CPV3</b> (6348-6371)	....c.c.....	<b>CPV3</b> (732-757)	...a..g.g.c.tagattc.....	<b>CPV3</b> (2343-2371)	t...c.....g....t....a..
<b>CPV4</b> (6377-6400)	.....	<b>CPV4</b> (813-838)	...a..g.g.cctgggagc.....	<b>CPV4</b> (2427-2455)	t...gc...c....at.at....a..
<b>CPV5</b> (6752-6775)	....c...g.....	<b>CPV5</b> (1132-1157)	...ac.g.g.ctagattc.....	<b>CPV5</b> (2746-2774)	tg.....at....a..
<b>CPV6</b> (6968-6991)	.....	<b>CPV6</b> (706-725)	.....	<b>CPV6</b> (2242-2270)	.....t.....t..a..
<b>CPV7</b> (6620-6643)	....c.....g.....	<b>CPV7</b> (774-799)	.....a..ag..ggtgaaag.....	<b>CPV7</b> (2319-2347)	tg...a.....t..tag
<b>canPVf</b>	CTTCCTGAWCCTAAYMAKTTTGC	<b>PapR</b>	AACAGCTGTTTTTTAGCTTTTTT	<b>AR-L1F1</b>	TTDCAGATGGCNGTNTGGCT
<b>CPV1</b> (7068-7091)	....a..c.....	<b>CPV1</b> (1128-1151)	.....c.....a.c.....	<b>CPV1</b> (6830-6851)	.....
<b>CPV2</b> (6427-6450)	..c.c.....a.....	<b>CPV2</b> (1137-1160)	..a..tc..cgc..gctg.g...	<b>CPV2</b> (6195-6216)	.....t....a.
<b>CPV3</b> (5985-6008)	..c.....	<b>CPV3</b> (1054-1076)	c.a.ag.c.gcgc.ttgac.c.c.	<b>CPV3</b> (5750-5771)	.....g.
<b>CPV4</b> (6023-6046)	....c.....gc.....	<b>CPV4</b> (1132-1154)	c.acaggcg.c.c.ttg.c.g...	<b>CPV4</b> (5788-5809)	.....g.
<b>CPV5</b> (6395-6418)	..c....c..a...a.....	<b>CPV5</b> (1451-1473)	c.ataacc.gcgc.ttg.c.g...	<b>CPV5</b> (6160-6181)	.....g.
<b>CPV6</b> (6599-6622)	t.g....c.....	<b>CPV6</b> (1015-1038)	.....c....t..c.....	<b>CPV6</b> (6361-6382)	.....
<b>CPV7</b> (6257-6280)	t.....c..a.....	<b>CPV7</b> (1098-1121)	..t..ac.ccgc..gctg.....	<b>CPV7</b> (6025-6046)	.....t....a.
<b>CP4</b>	ATGGTACARTGGGCATWTGA	<b>AR-E1F1</b>	CAGGGVMWTTCCCTGBARYTGTTYC	<b>AR-L1R3</b>	CATRTCHCCATCYTCWAT
<b>CPV1</b> (1737-1757)	.....t.....t.....	<b>CPV1</b> (969-994)	.....	<b>CPV1</b> (7428-7446)	.....
<b>CPV2</b> (1749-1769)	.....g.....t.....	<b>CPV2</b> (978-1003)	..t.a.ggacatgca.gtg....aa	<b>CPV2</b> (6784-6802)	...c.g.....
<b>CPV3</b> (1746-1766)	.....c.....g.....	<b>CPV3</b> (900-925)	.....aa.ct..a..g.	<b>CPV3</b> (6342-6360)	.....g...
<b>CPV4</b> (1830-1850)	.....g.....c.....	<b>CPV4</b> (978-1003)	.....g.....a..g.	<b>CPV4</b> (6371-6389)	.....g...
<b>CPV5</b> (2149-2169)	.....g.....	<b>CPV5</b> (1297-1322)	.....aa.ct..a..g.	<b>CPV5</b> (6746-6764)	.....g...
<b>CPV6</b> (1645-1665)	.....t.....	<b>CPV6</b> (856-881)	.....a.....	<b>CPV6</b> (6962-6980)	.....g...
<b>CPV7</b> (1722-1742)	.....t.....	<b>CPV7</b> (939-964)	..t.a.g.gcatgca.g...a..aa	<b>CPV7</b> (6614-6632)	...c.g.....
<b>CP5</b>	GAGGYTGCAACCAAAAMTGRCT	<b>AR-E1R2</b>	TCATANGCCCACTGNACCAT		
<b>CPV1</b> (2178-2200)	.....g.....	<b>CPV1</b> (1737-1757)	.....		
<b>CPV2</b> (2190-2212)	.g.gct..g.....g.....	<b>CPV2</b> (1749-1769)	.....		
<b>CPV3</b> (2184-2206)	.t.....g..g.....	<b>CPV3</b> (1746-1766)	.....		
<b>CPV4</b> (2268-2290)	.t...att.g..g.....	<b>CPV4</b> (1830-1850)	.....		
<b>CPV5</b> (2587-2609)	at.....g.....t.....	<b>CPV5</b> (2149-2169)	.....		
<b>CPV6</b> (2083-2105)	a.....t.....	<b>CPV6</b> (1645-1665)	.....t.....		
<b>CPV7</b> (2160-2182)	....actt.g.....	<b>CPV7</b> (1722-1742)	.....t.....		

**Figure S2:** Multiple sequence alignments of primers and their binding sites. Oligo sequences are written from 5' to 3' in upper case letters according the IUPAC code. Genomic positions of the binding sites are put in brackets. Positions matching to the oligo sequences are shown as dots, positions not matching to the oligo sequences are shown as lower case letters.