

CORRECTION

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# Correction: Identification of one critical amino acid that determines a conformational neutralizing epitope in the capsid protein of porcine circovirus type 2

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Correction: *BMC Microbiol* 11, 188 (2011)

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Following publication of the original article [1], the authors identified errors in Figs. 2 and 3a, and 5. The correct figures are given below. The authors apologize for any inconvenience. This correction does not affect the results or the conclusion of this work.

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The online version of the original article can be found at <https://doi.org/10.1186/1471-2180-11-188>.

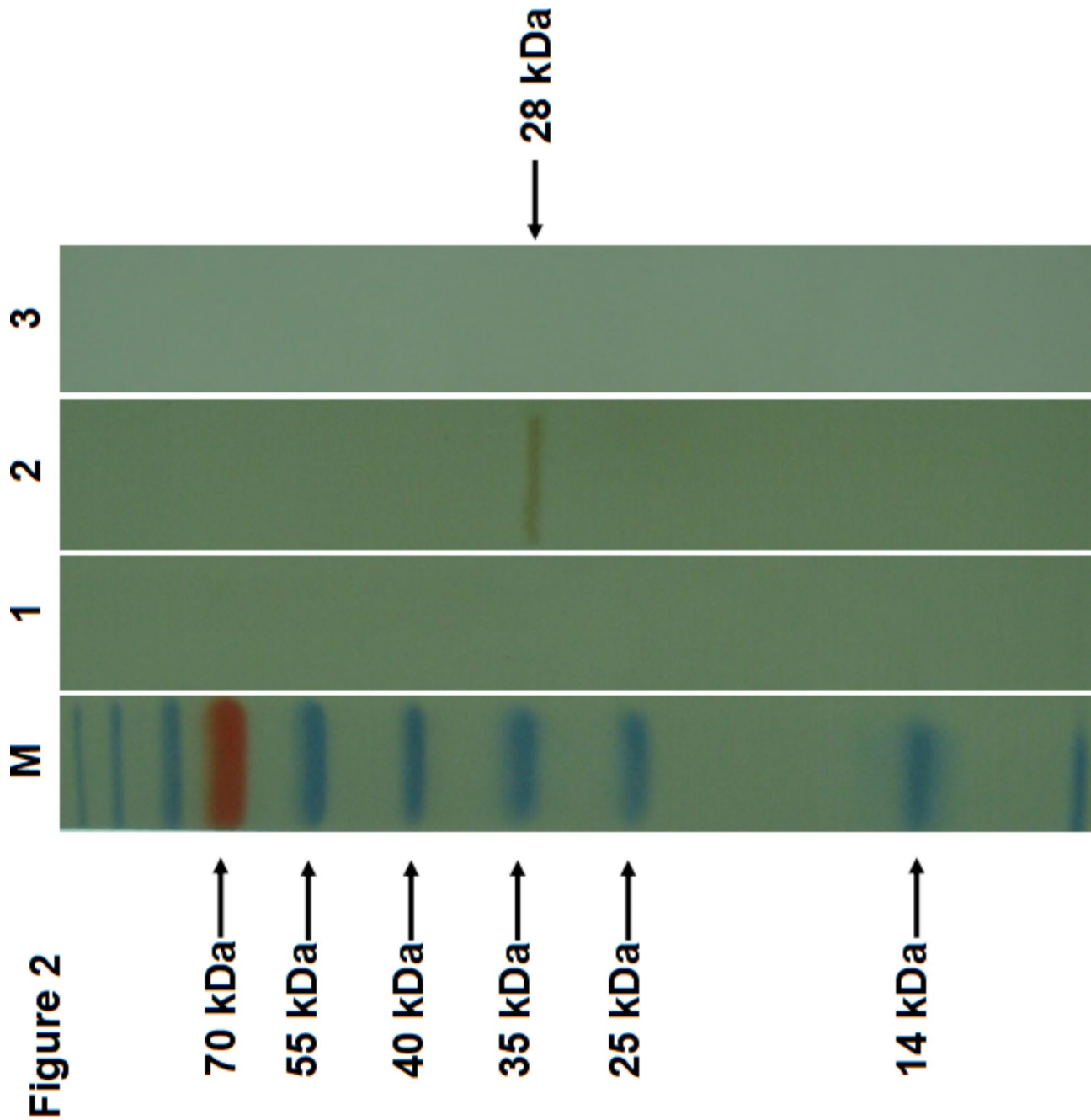
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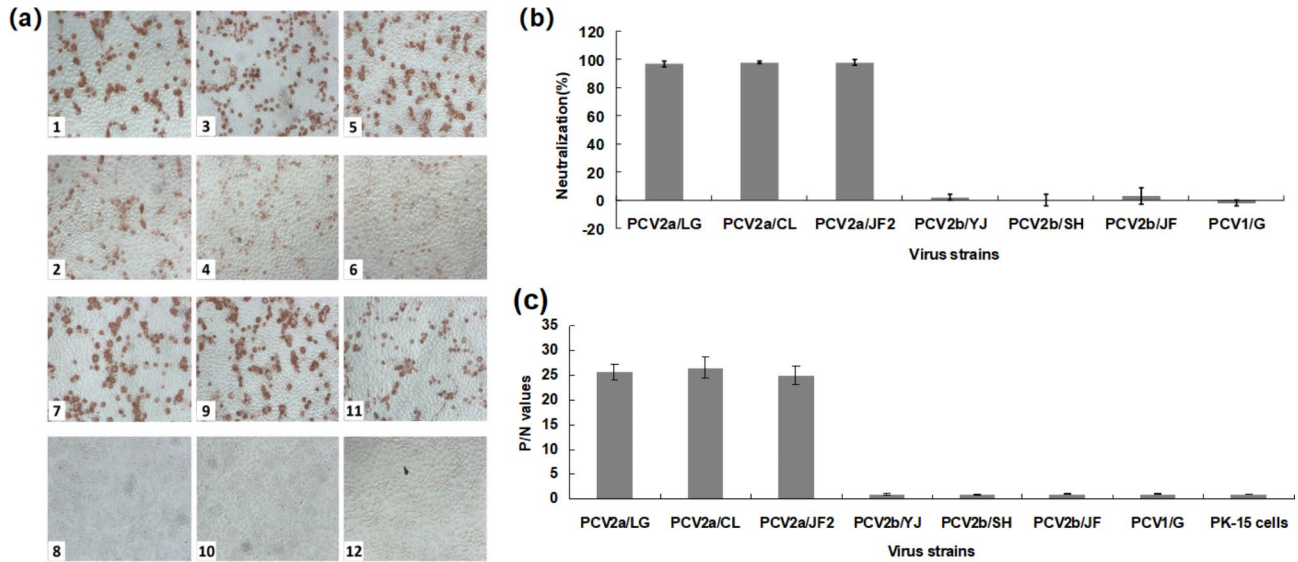
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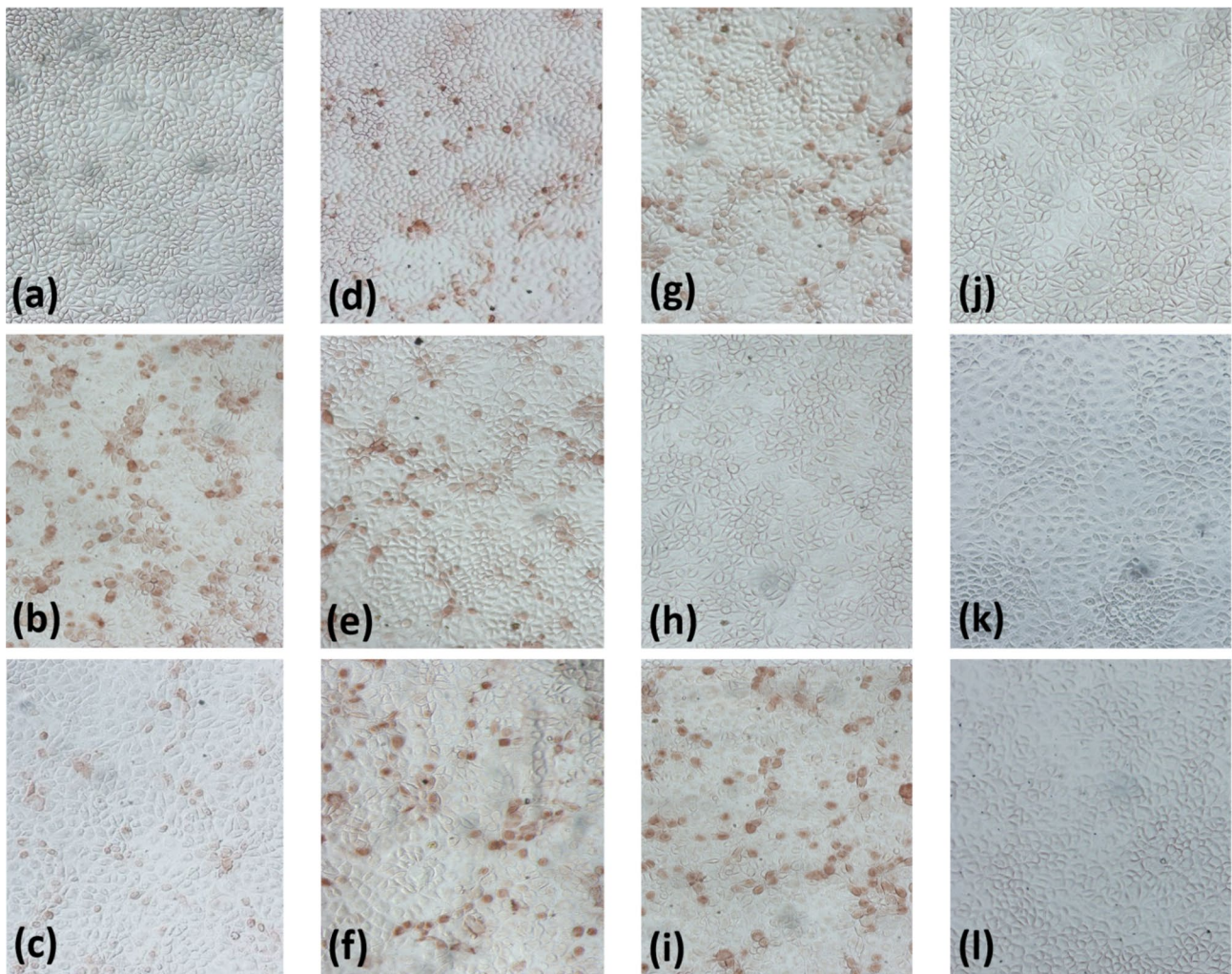
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**Fig. 2** Analysis of immunoreactivity of mAb by western blot analysis. Purified virions of the PCV2a/LG strain were separated by SDS-PAGE, transferred to nitrocellulose membranes, and incubated with mAb. Lane M: protein molecular weight markers; lane 1: mAb 8E4; lane 2: mAb 6F10 as a positive control; lane 3: SP2/0 supernatant as a negative control



**Fig. 3** Reactivity of six PCV2 isolates with mAb 8E4 by the IPMA, serum neutralization assay and capture ELISA. **(a)** IPMA reactivity of PK-15 cells inoculated with PCV2a/LG (1 and 2), PCV2a/CL (3 and 4), PCV2a/JF2 (5 and 6), PCV2b/YJ (7 and 8), PCV2b/SH (9 and 10) and PCV2b/JF (11 and 12), against PCV2-positive serum and mAb 8E4. Odd numbers represent PCV2-positive serum, whereas even numbers show mAb 8E4. **(b)** The neutralizing activity of mAb 8E4 was expressed as the percentage reduction in the number of infected cells in comparison with negative control. A mean neutralizing activity of > 50% was considered to represent neutralization. Error bars represent the standard deviations. **(c)** For the capture ELISA, cultures of six PCV2 isolates, recPCV1/G and PK-15 cells were tested with HRP-conjugated 8E4. P/N > 2.1 was regarded as a positive result. Error bars represent the standard deviations



**Fig. 5** IPMA reactivity between mAb 8E4 and each chimera or mutant. **(a)** rCL-YJ-1; **(b)** rCL-YJ-2; **(c)** rCL-YJ-3; **(d)** rCL-YJ-4; **(e)** rCL-YJ-5; **(f)** rCL-YJ-1-51; **(g)** rCL-YJ-1-57; **(h)** rCL-YJ-1-59; **(i)** rCL-YJ-1-63; **(j)** rLG-YJ-1-59; **(k)** rJF2-YJ-1-59; **(l)** rYJ-CL-1-59

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of porcine circovirus type 2. *BMC Microbiol.* 2011;11:188. <https://doi.org/10.1186/1471-2180-11-188>.

#### References

1. Huang LP, Lu YH, Wei YW, et al. Identification of one critical amino acid that determines a conformational neutralizing epitope in the capsid protein

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