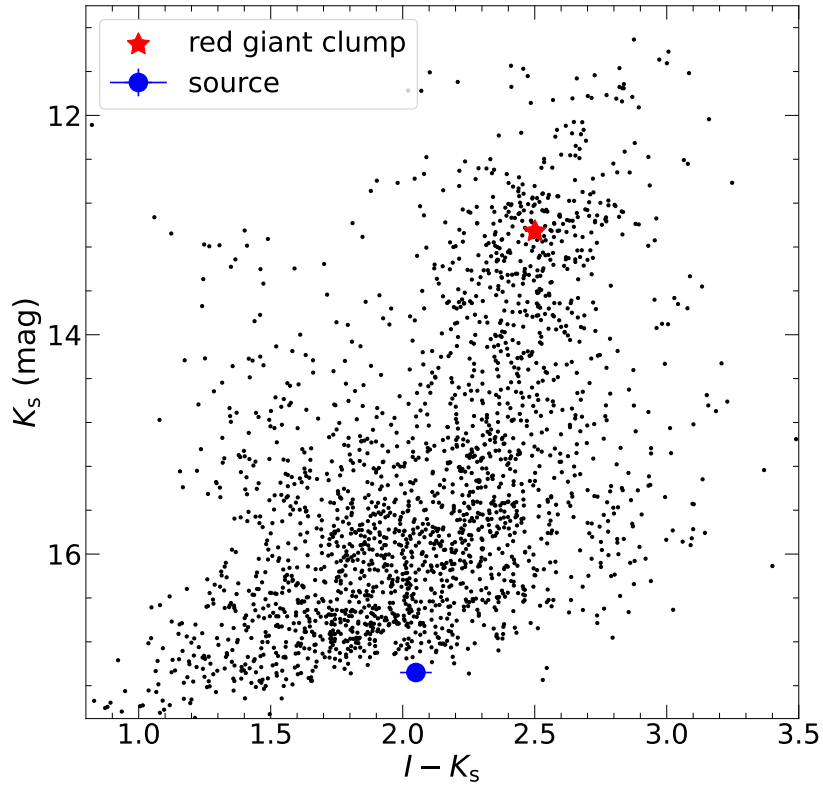
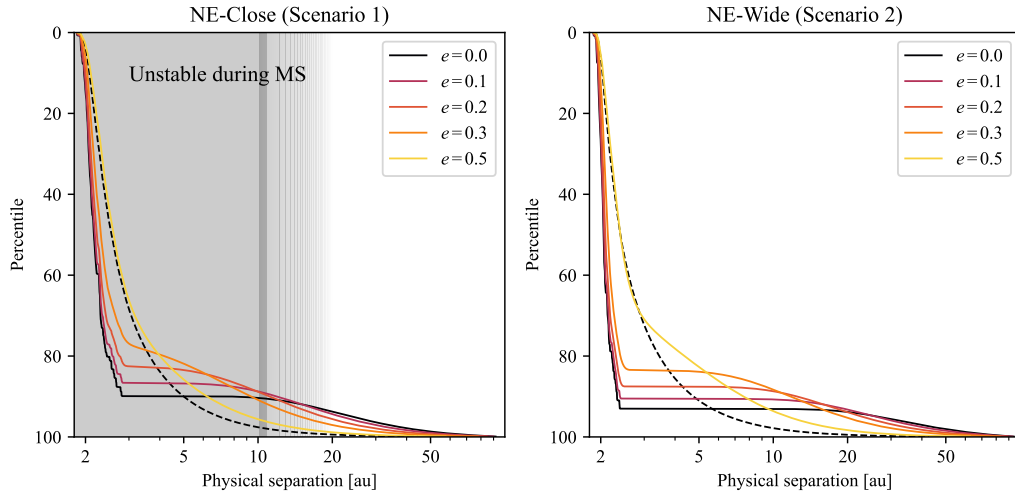

An Earth-mass planet and a brown dwarf in orbit around a white dwarf

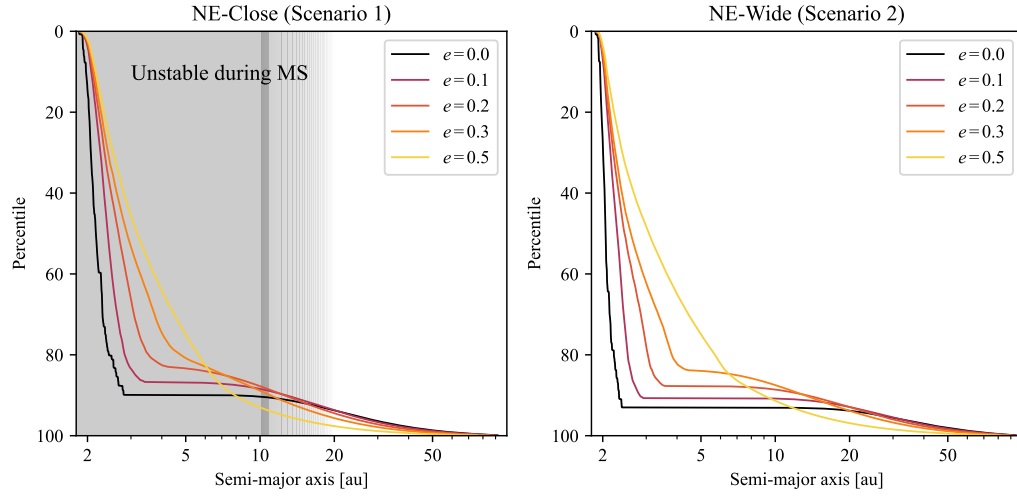
In the format provided by the
authors and unedited



Supplementary Figure 1: OGLE- I and 2MASS- K_s color magnitude diagram for a $240'' \times 240''$ box centered on the location of KB200414. The red asterisk and the blue dot represent the centroid of the red-giant clump and the source star, respectively.



Supplementary Figure 2: **The physical separation of the planet during the peak of the event as inferred from the projected separation and the microlensing orbital motion effect.** Identical to Figure 2 but displayed separately for the Close-NE and Wide-NE solutions. The cumulative distribution function (CDF) for the marginal posterior distribution of the physical separation under a log-uniform prior is shown for different eccentricities. The CDF for the physical separation distribution without the orbital motion constraints is shown for $e = 0$ in the dashed line for comparison. The shaded region indicates the planetary orbits that would have been initially unstable with the BD orbit during the host-star MS phase.



Supplementary Figure 3: **The planet semi-major axis as inferred from the projected separation and the microlensing orbital motion effect.** The cumulative distribution function (CDF) for the marginal posterior distribution of the semi-major axis under a log-uniform prior is shown for different eccentricities. The shaded region indicates the planetary orbits that would have been initially unstable with the BD orbit during the host-star MS phase.

Supplementary Table 1: **Ten stars used to derive the astrometric transformation between the Keck and CFHT images.** The target location is listed at the bottom of the table.

Keck		CFHT	
x [pix]	y [pix]	x [pix]	y [pix]
433.52	247.47	336.25	276.74
259.35	269.19	298.84	281.24
634.16	319.38	379.09	292.43
135.42	477.38	271.93	326.32
520.32	512.34	354.35	334.07
851.79	579.82	425.37	348.92
248.57	639.97	296.00	361.34
272.59	701.63	301.06	374.74
445.83	713.47	338.22	377.35
279.30	880.33	302.52	413.54
502.43	559.02	350.53	344.01