

Galaxy Zoo 2: gallery of images for robust classifications

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Accepted 1988 December 15. Received 1988 December 14; in original form 1988 October 11

ABSTRACT

Gallery of example images for the accompanying Galaxy Zoo 2 data release paper.

Key words: galaxies



Figure 1. Example *gri* cutout images for galaxies identified as “smooth” (Task 01, Answer 01) from the GZ2 clean, debiased sample as set by flags in the table. Cutout images are from the SDSS DR7 Image List Tool (<http://cas.sdss.org/dr7/en/tools/chart/list.asp>).

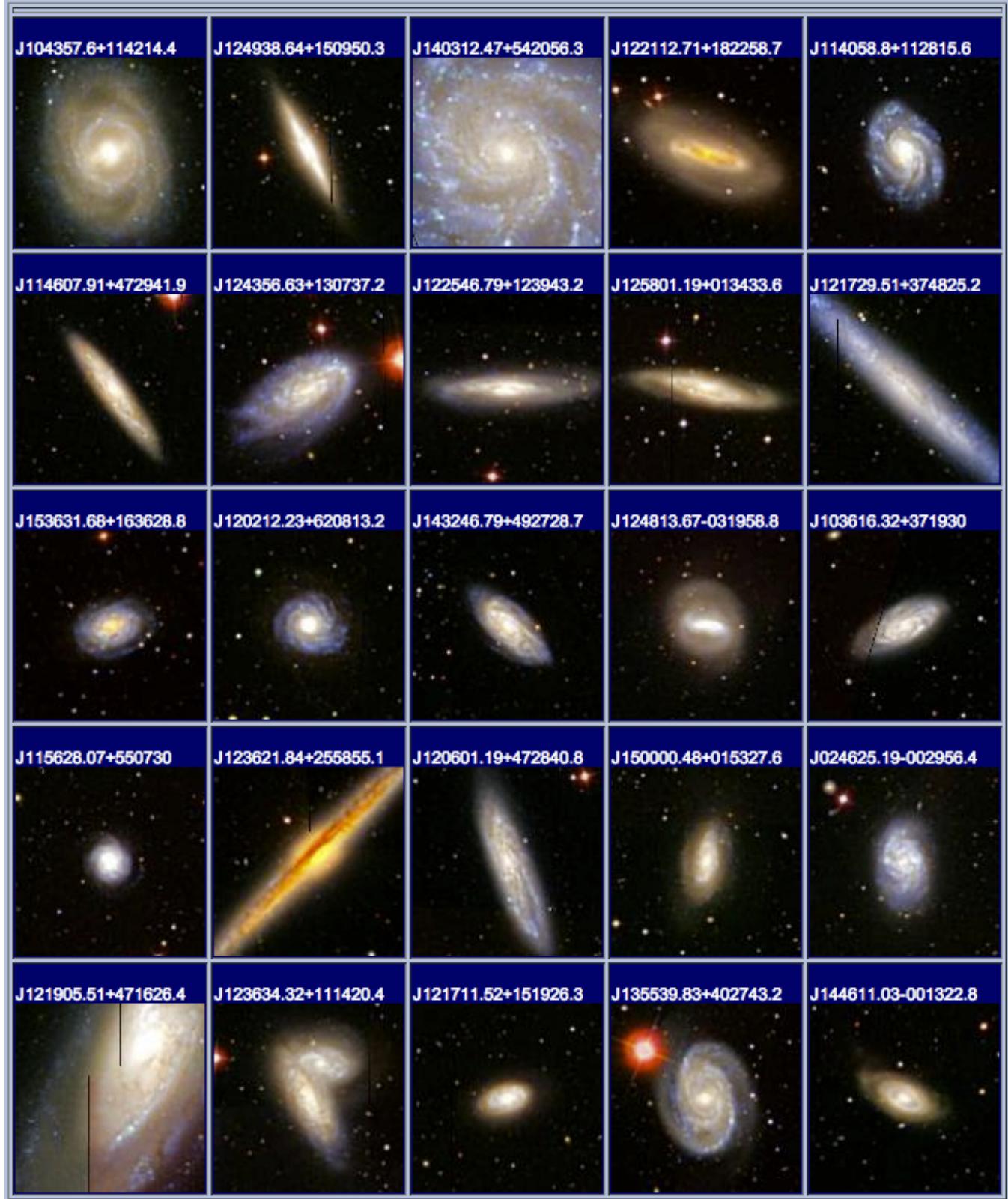


Figure 2. Example *gri* cutout images for galaxies identified as “features or disk” (Task 01, Answer 02) from the GZ2 clean, debiased sample. Format is the same as Figure 1.



Figure 3. Example *gri* cutout images for objects identified as “star or artifact” (Task 01, Answer 03) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

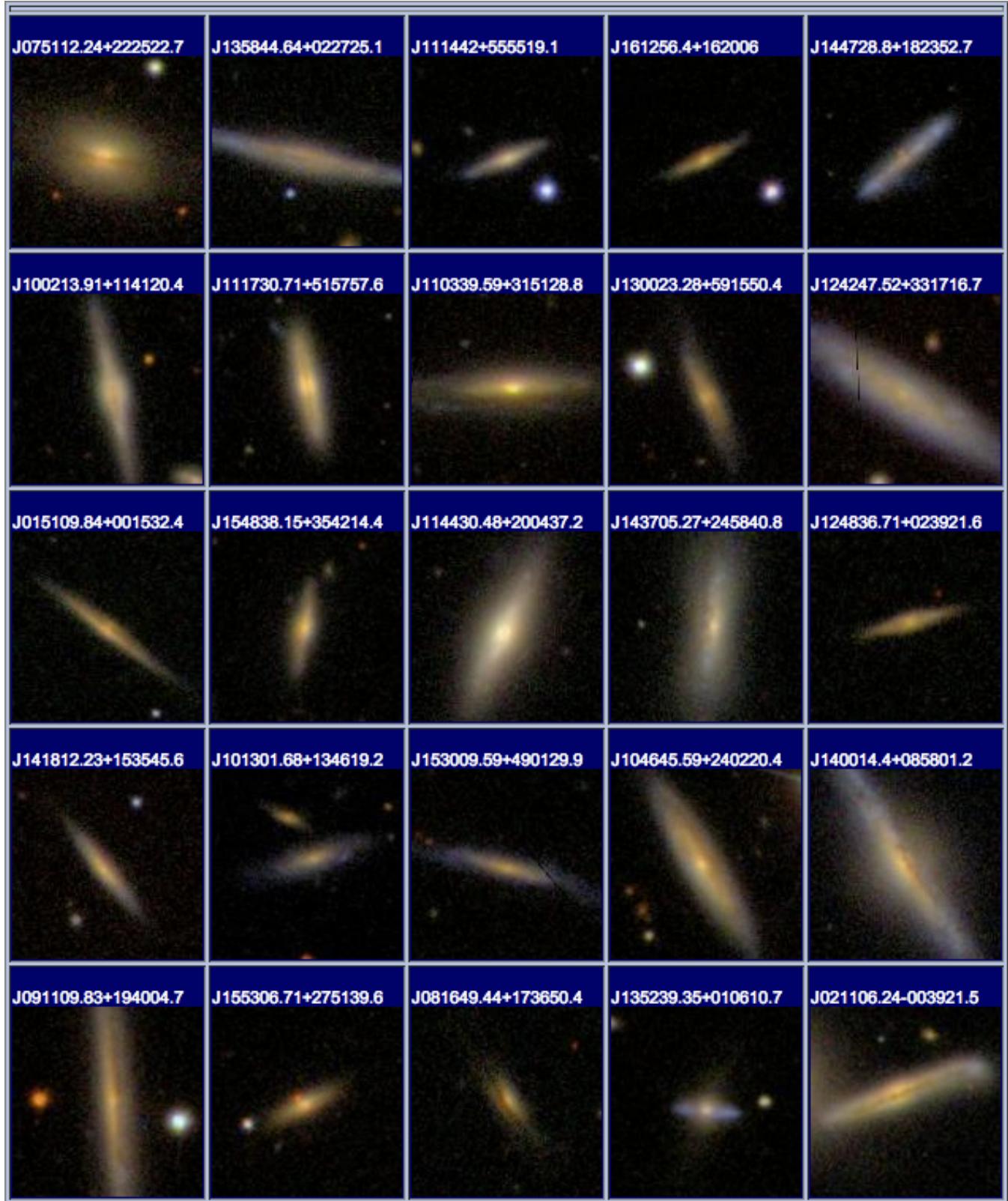


Figure 4. Example *gri* cutout images for galaxies identified as “edge-on” (Task 02, Answer 04) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

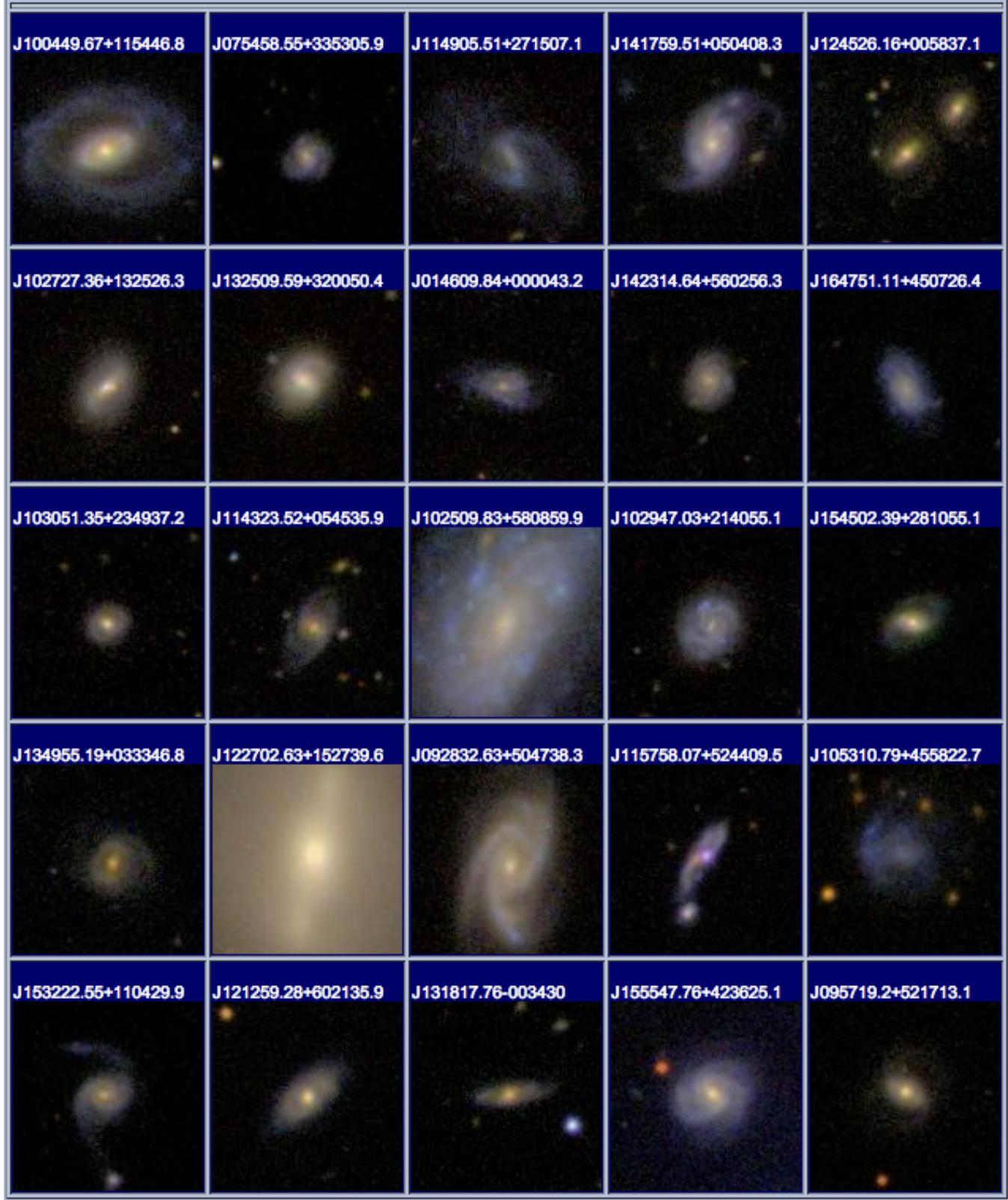


Figure 5. Example *gri* cutout images for galaxies identified as “not edge-on” (Task 02, Answer 05) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

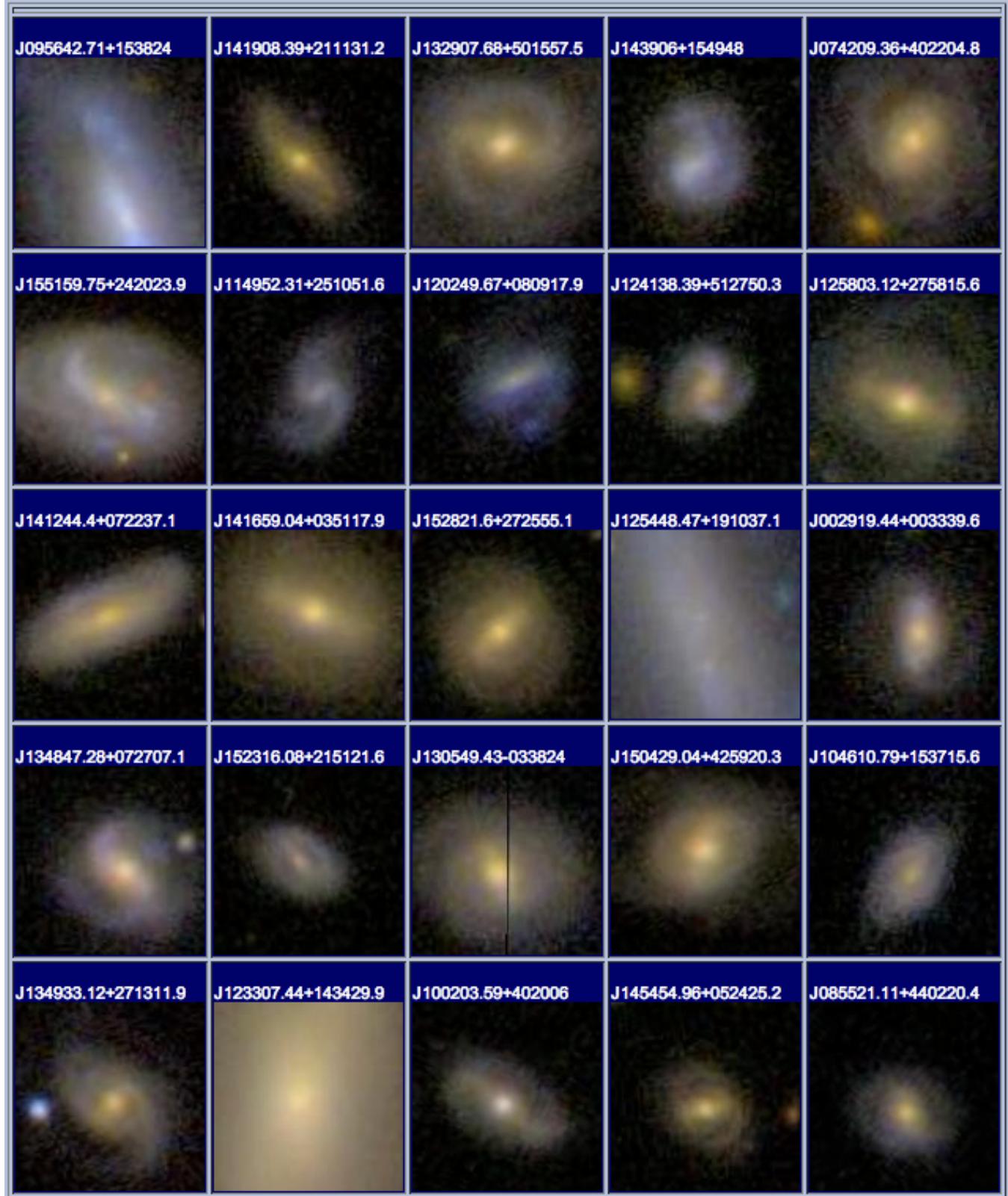


Figure 6. Example *gri* cutout images for galaxies identified as “bar” (Task 03, Answer 06) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

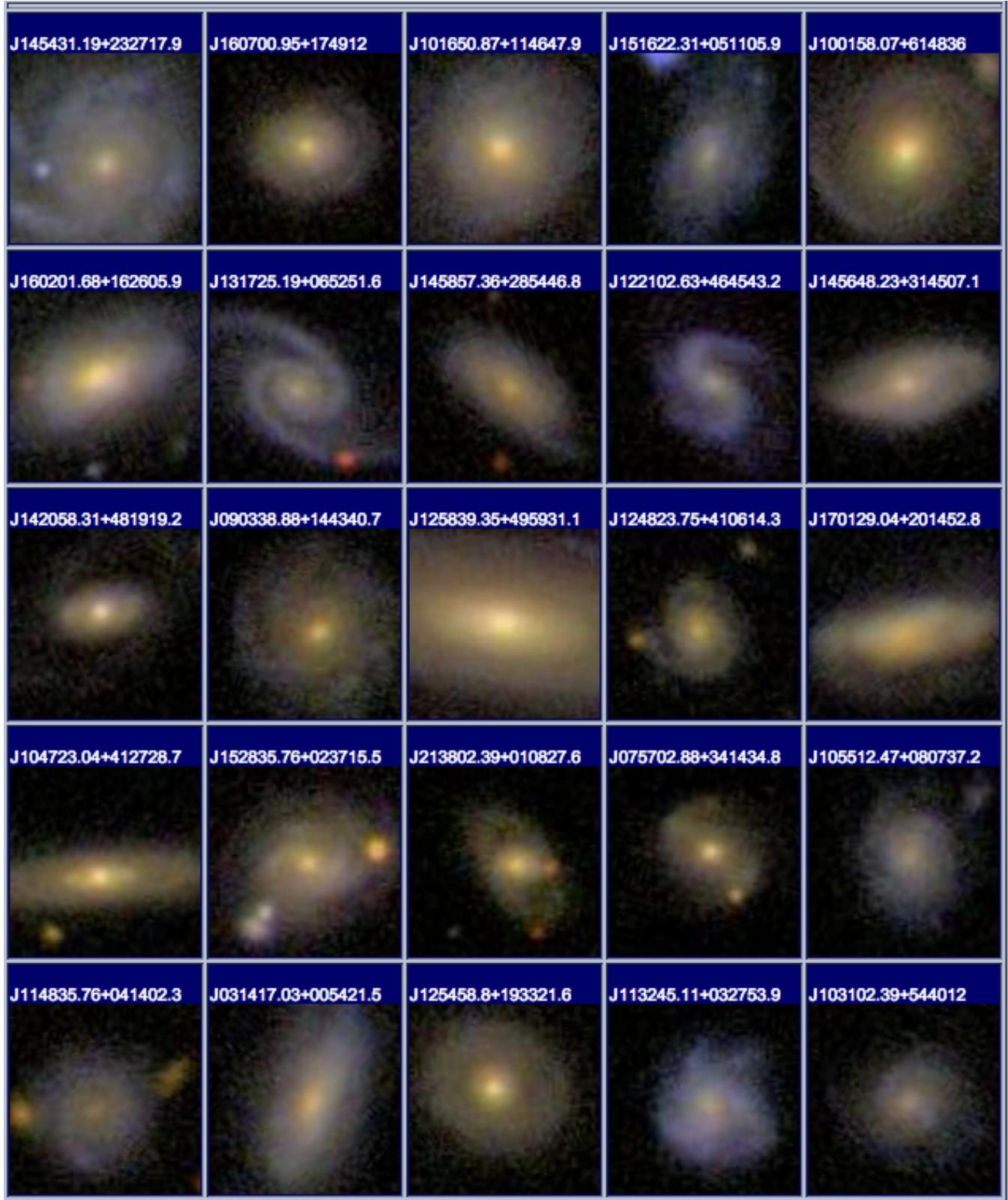


Figure 7. Example *gri* cutout images for galaxies identified as “no bar” (Task 03, Answer 07) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

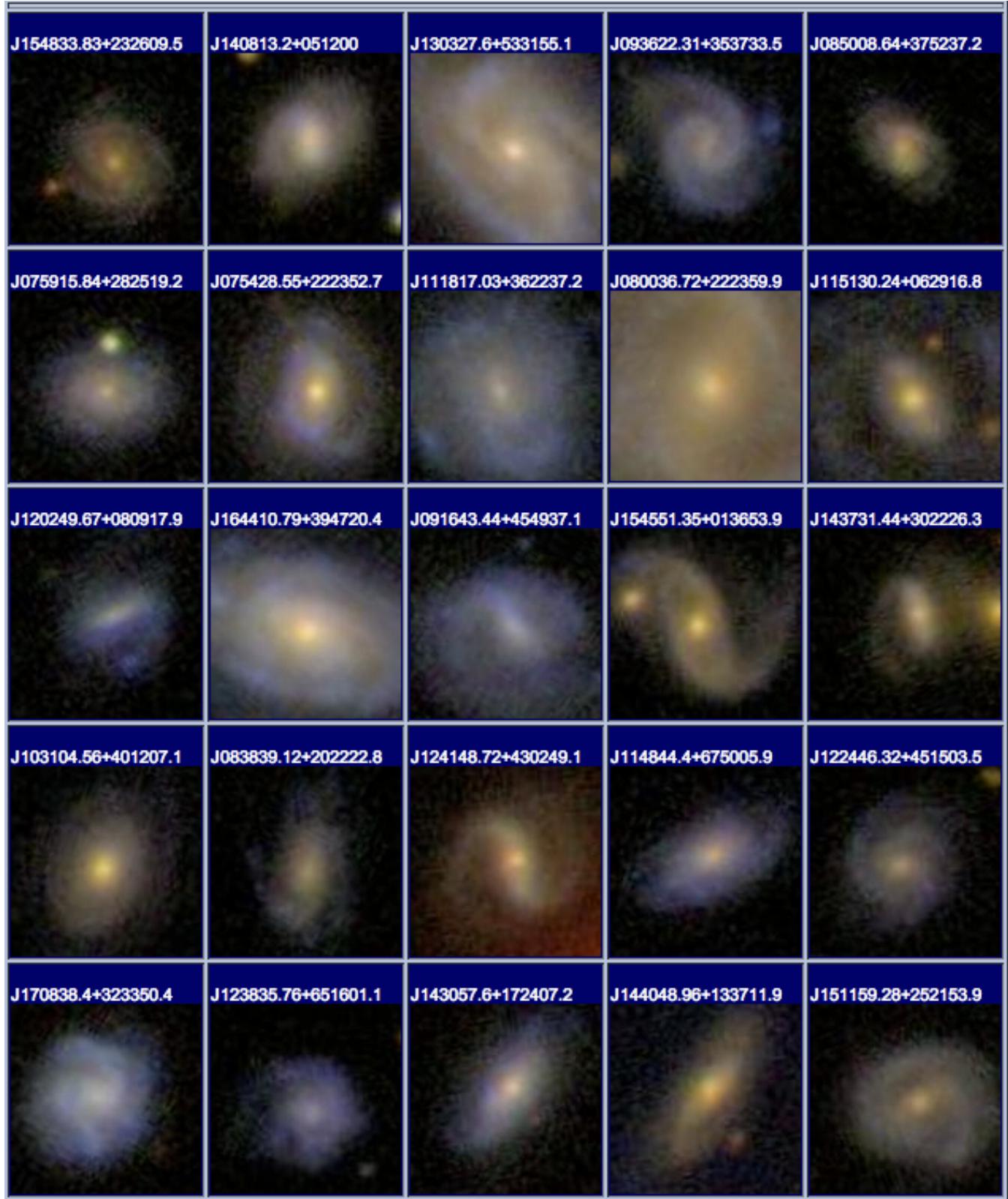


Figure 8. Example *gri* cutout images for galaxies identified as having “spiral” structure (Task 04, Answer 08) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

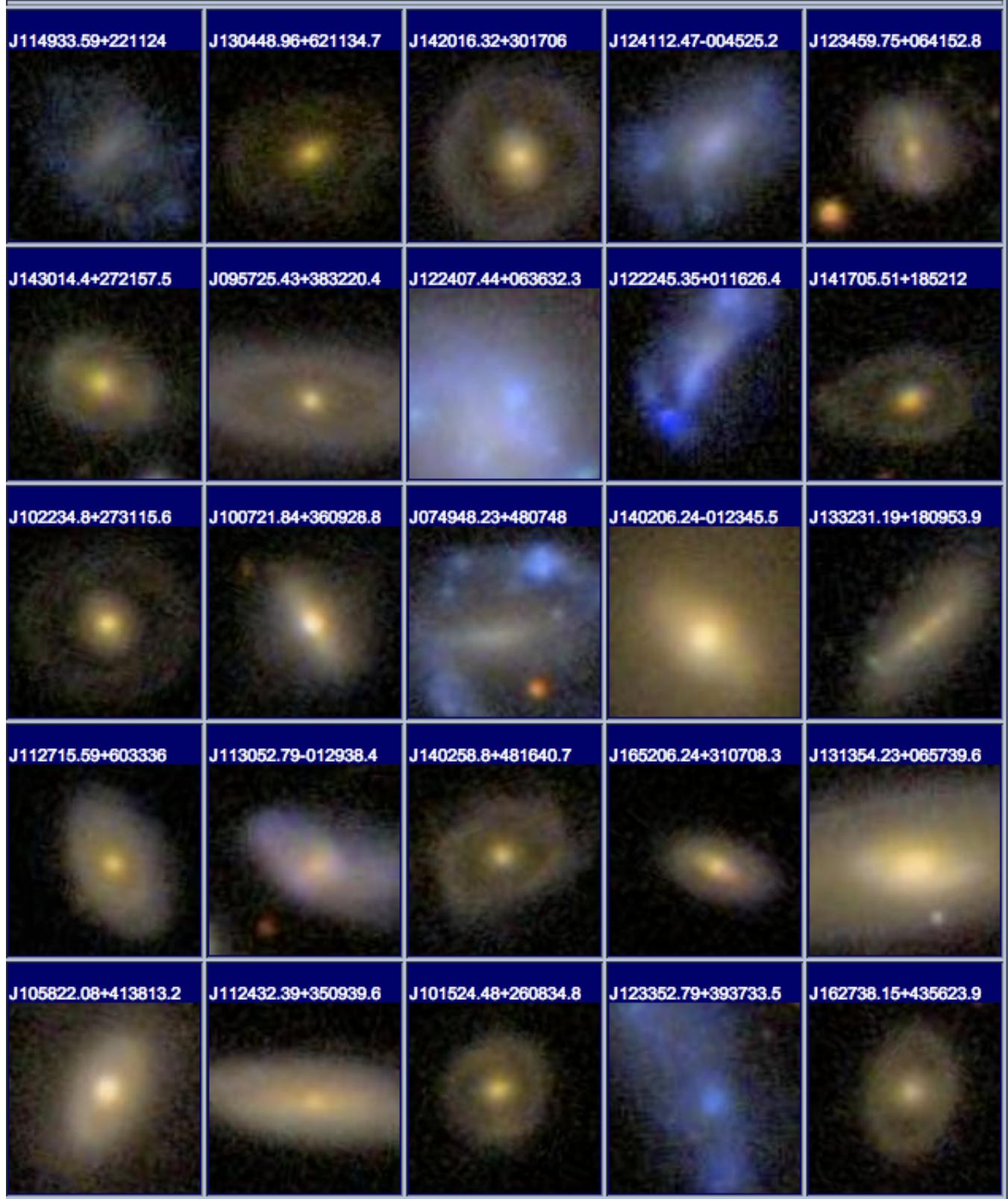


Figure 9. Example *gri* cutout images for galaxies identified as having “no spiral” structure (Task 04, Answer 09) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

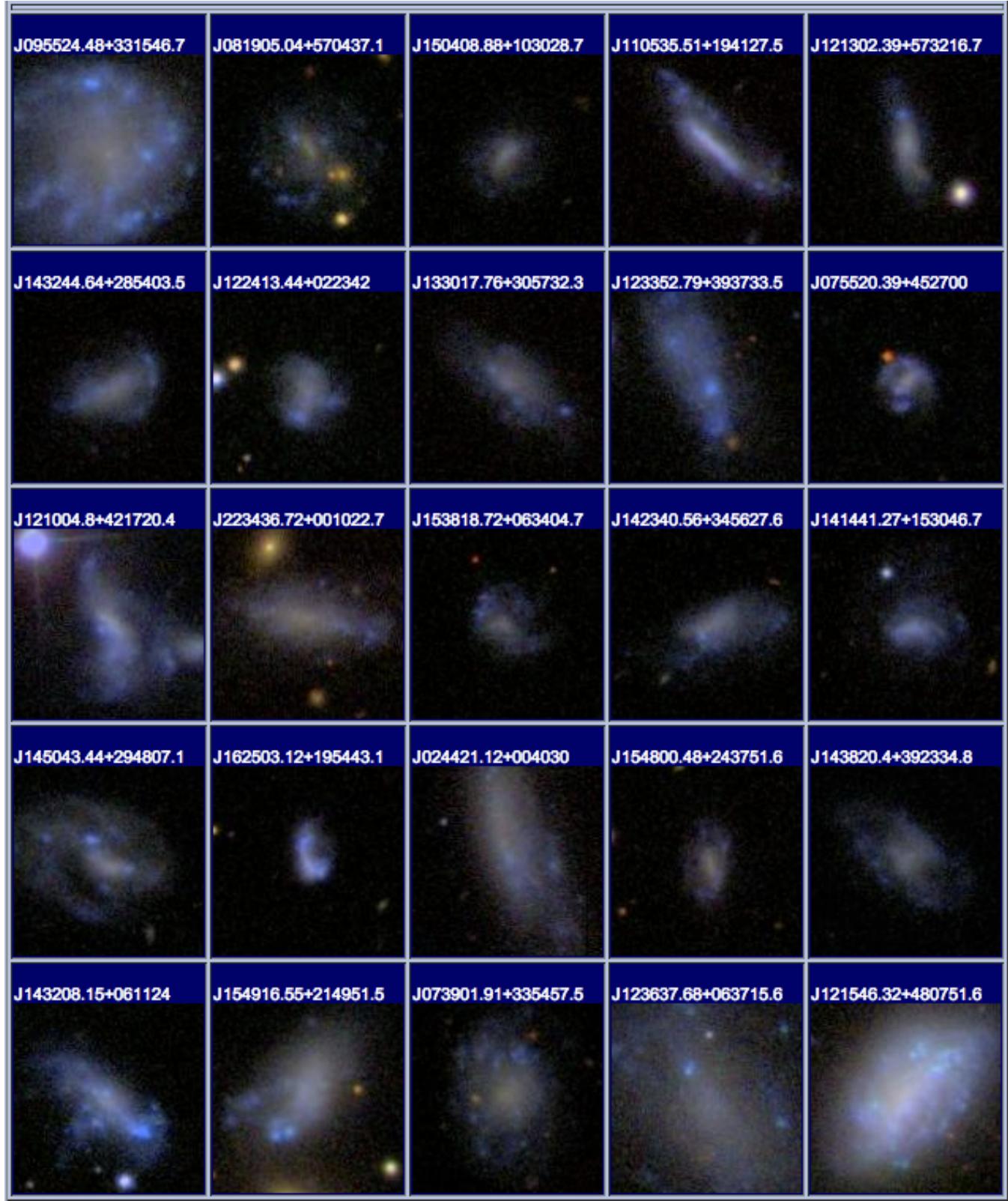


Figure 10. Example *gri* cutout images for galaxies identified as having “no bulge” (Task 05, Answer 10) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

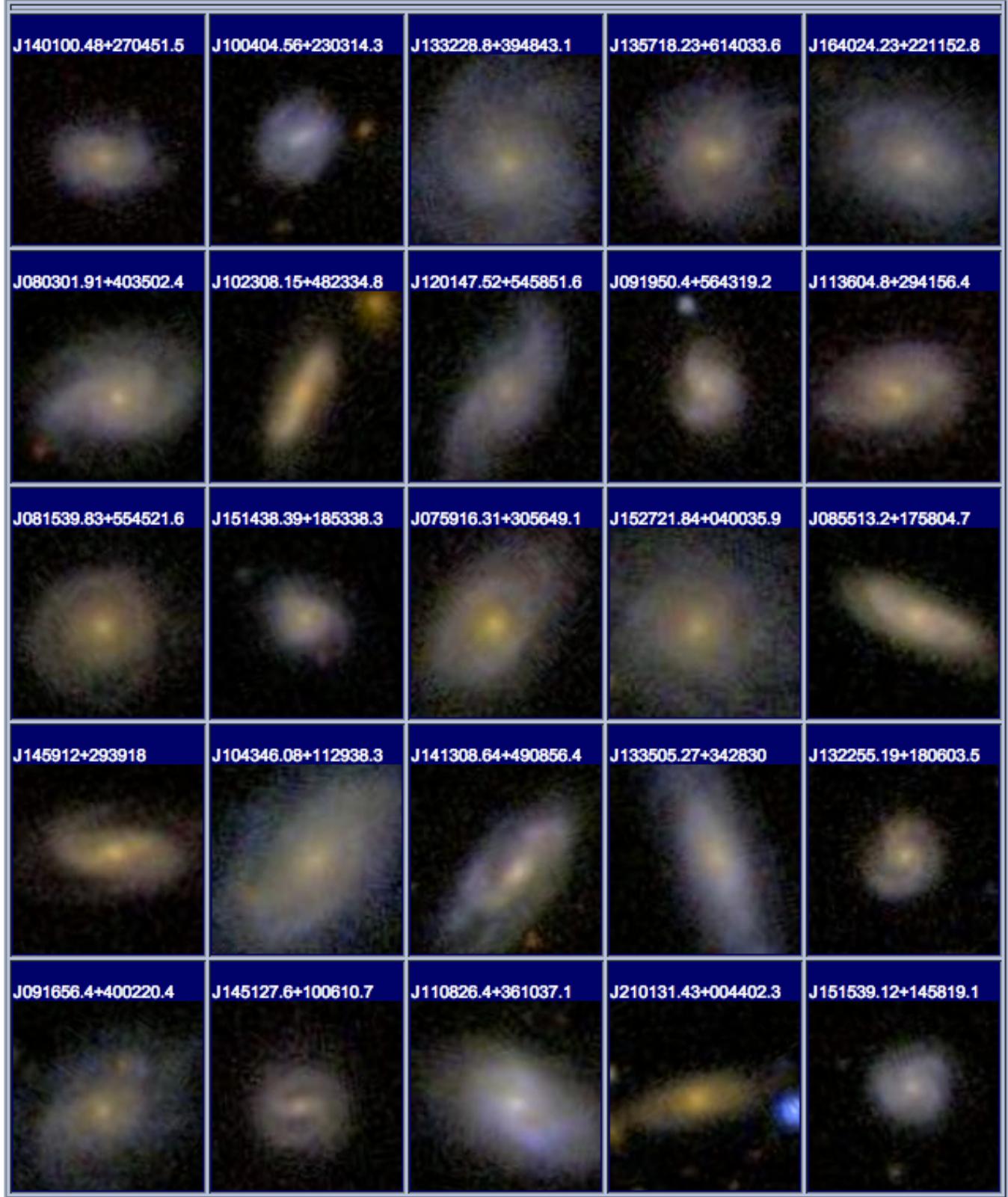


Figure 11. Example *gri* cutout images for galaxies identified as having a “just noticeable” bulge (Task 05, Answer 11) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

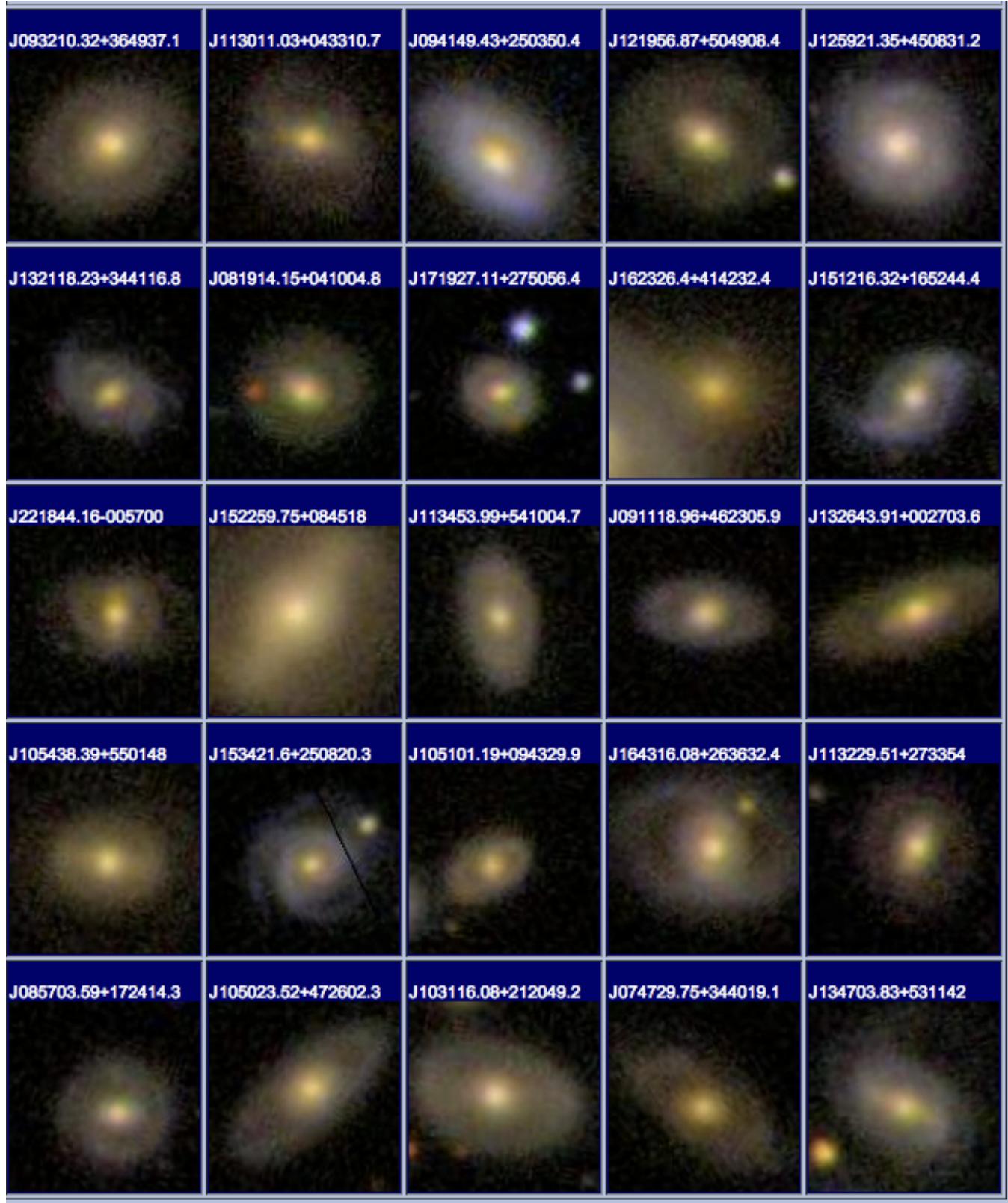


Figure 12. Example *gri* cutout images for galaxies identified as having a “obvious” bulge (Task 05, Answer 12) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

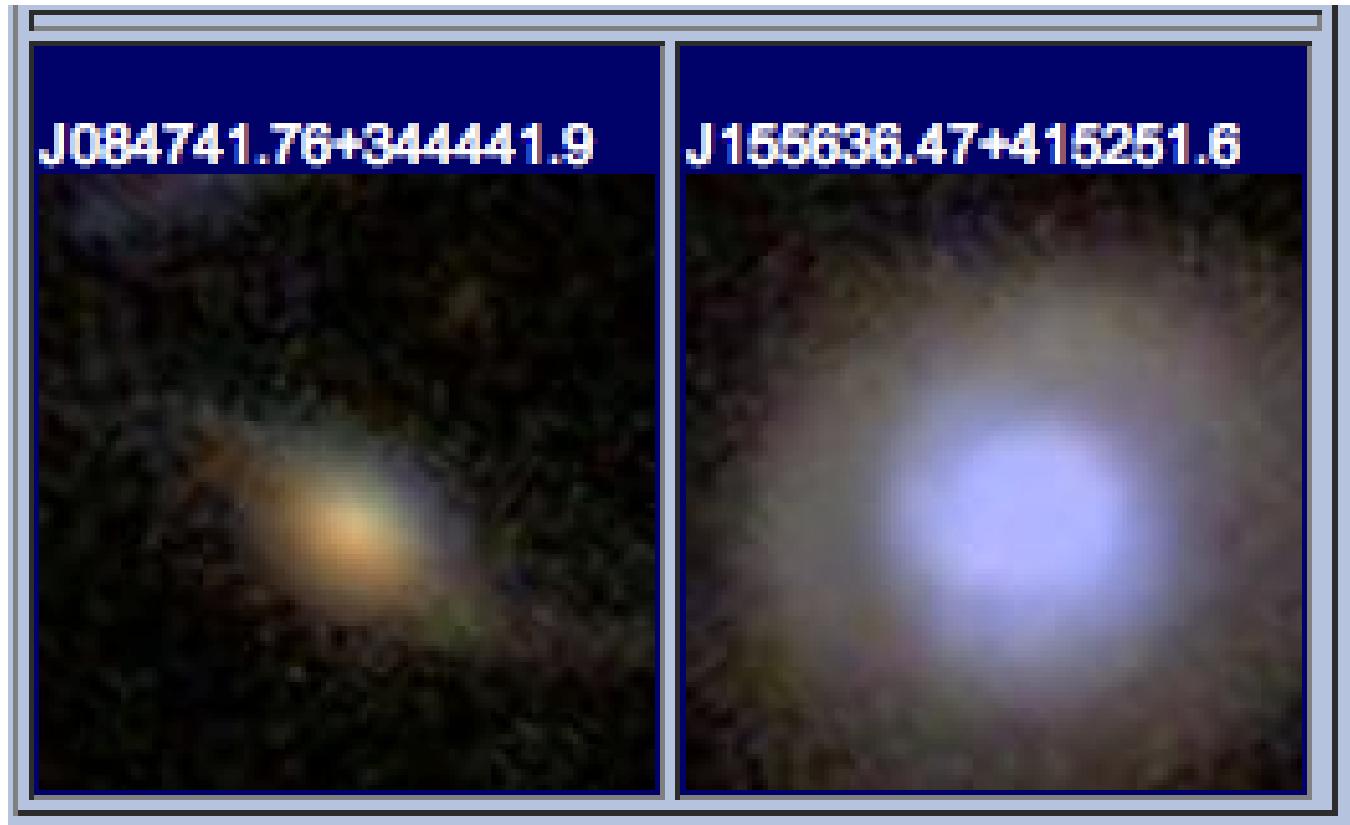


Figure 13. Example *gri* cutout images for galaxies identified as having a “dominant” bulge (Task 05, Answer 13) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

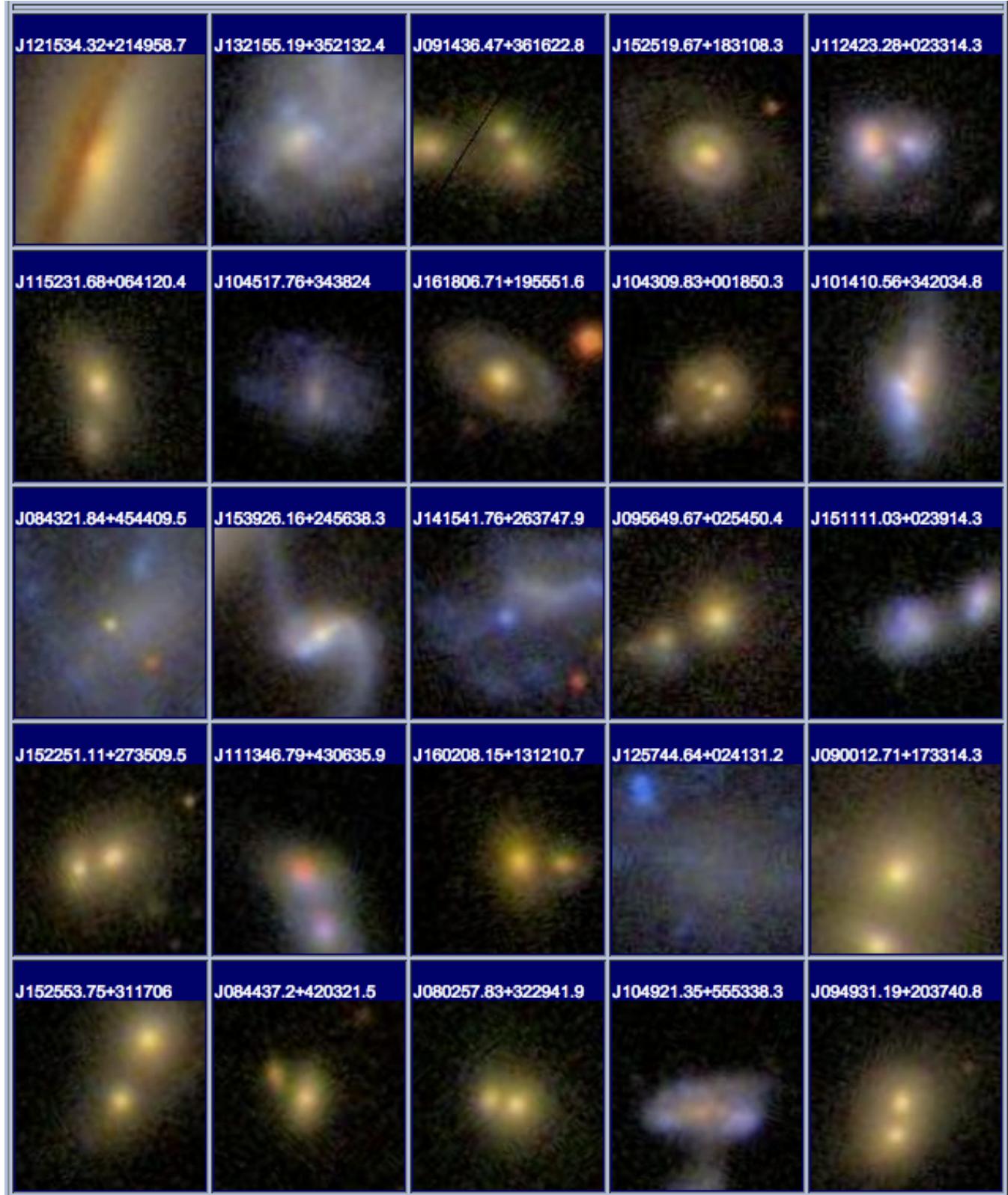


Figure 14. Example *gri* cutout images for galaxies identified as “odd” (Task 06, Answer 14) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

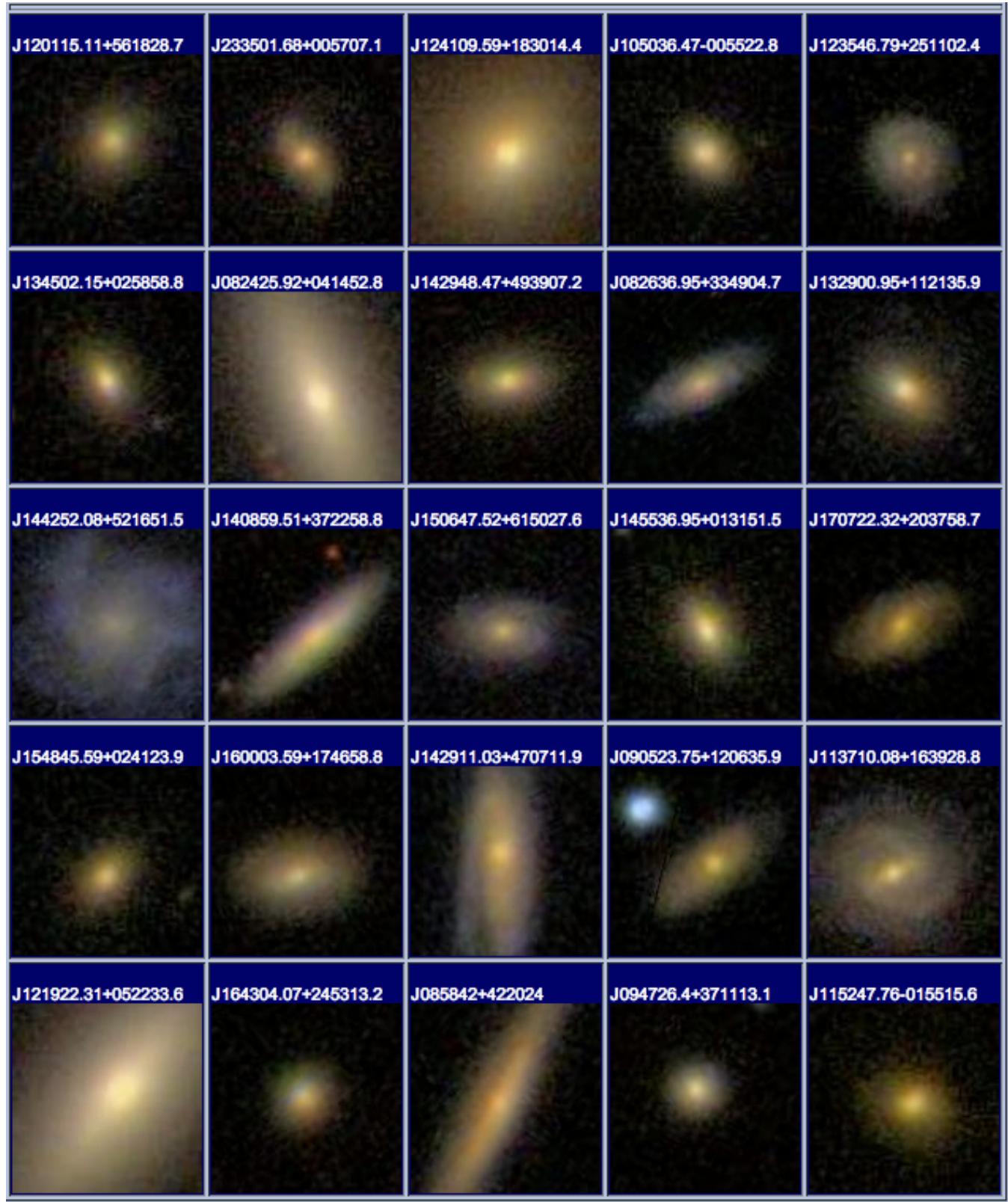


Figure 15. Example *gri* cutout images for galaxies identified as “not odd” (Task 06, Answer 15) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

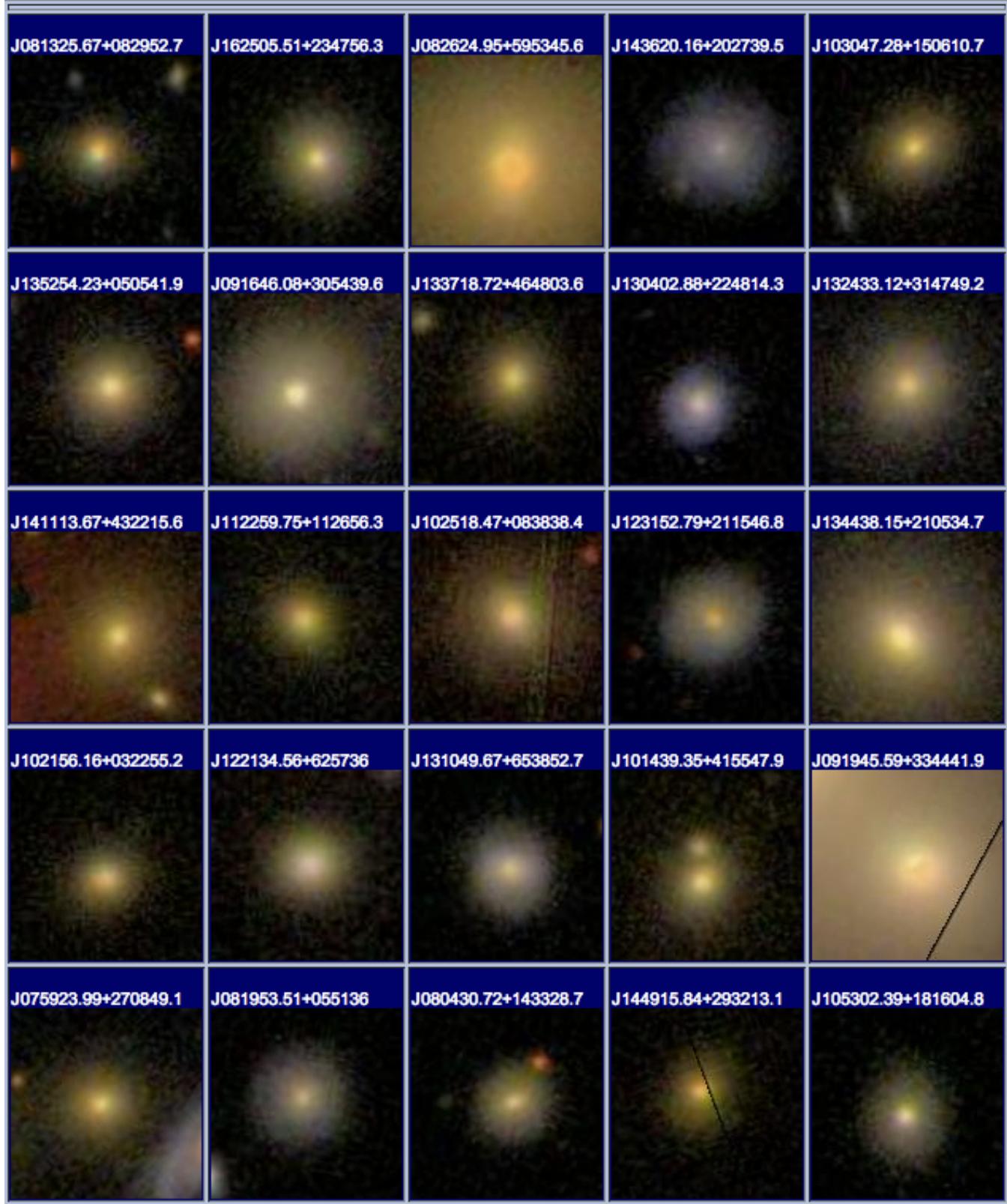


Figure 16. Example *gri* cutout images for galaxies identified as “completely round” (Task 07, Answer 16) from the GZ2 clean, debiased sample. Format is the same as Figure 1.



Figure 17. Example *gri* cutout images for galaxies identified as “in between” (Task 07, Answer 17) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

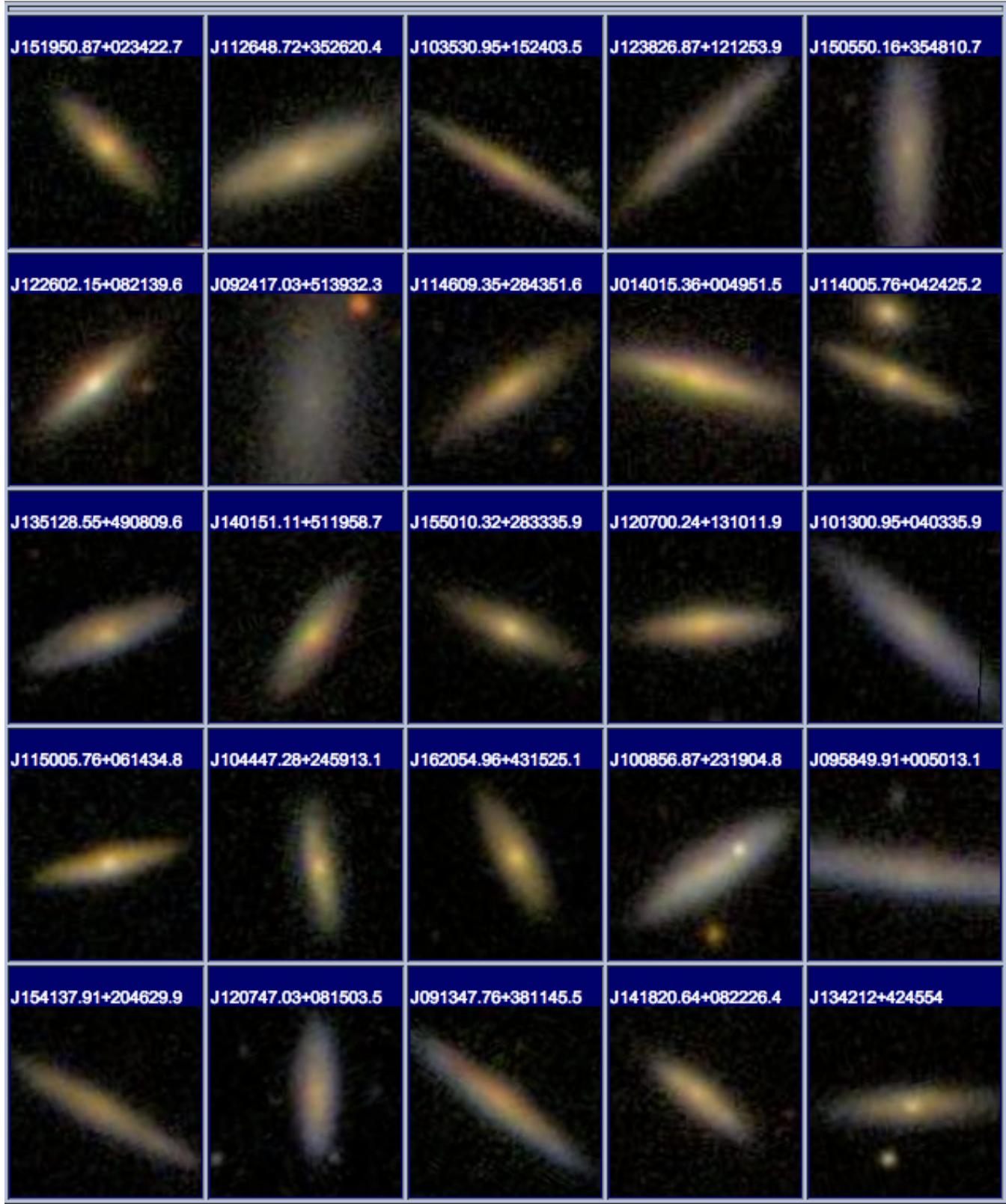


Figure 18. Example *gri* cutout images for galaxies identified as “cigar shaped” (Task 07, Answer 18) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

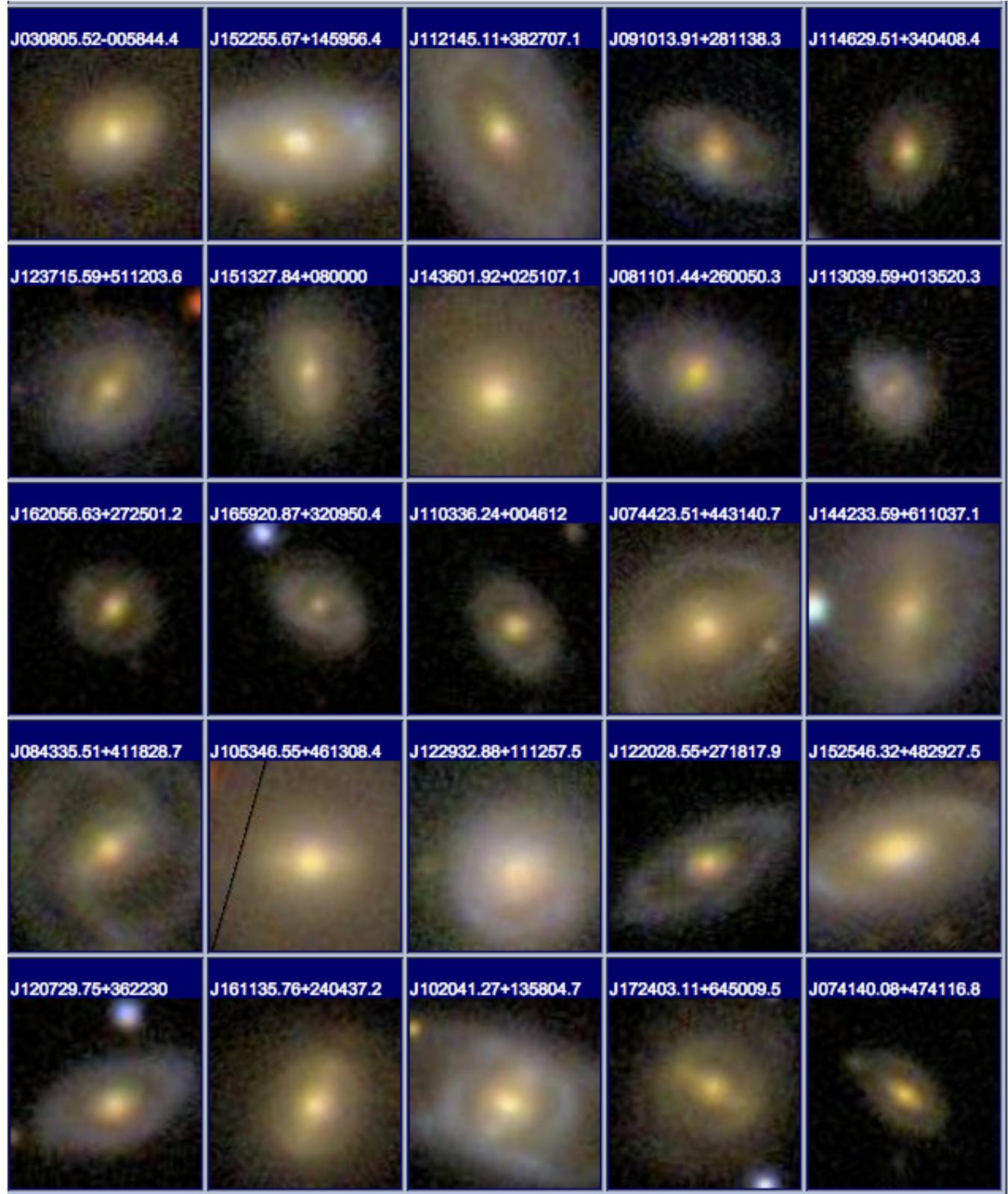


Figure 19. Example *gri* cutout images for galaxies identified as “ring” (Task 08, Answer 19) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

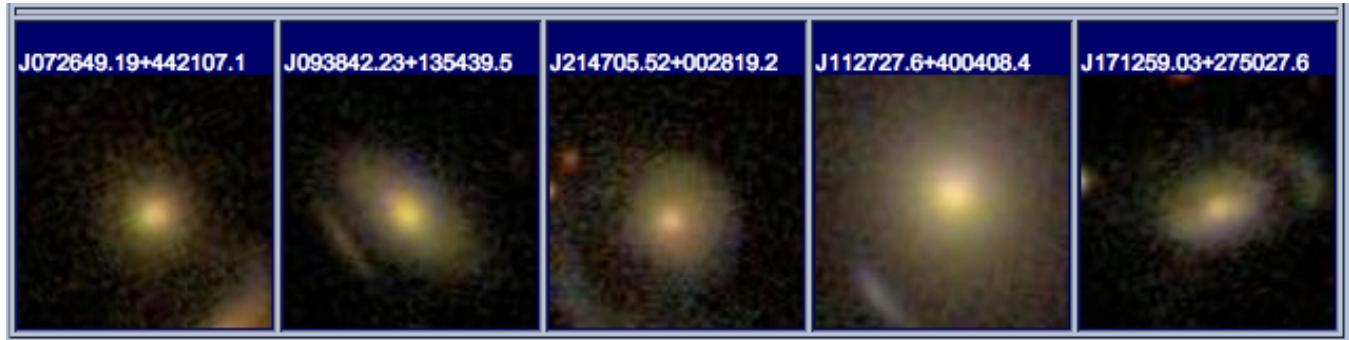


Figure 20. Example *gri* cutout images for galaxies identified as “lens or arc” (Task 08, Answer 20) from the GZ2 clean, debiased sample. Format is the same as Figure 1.



Figure 21. Example *gri* cutout images for galaxies identified as “disturbed” (Task 08, Answer 21) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

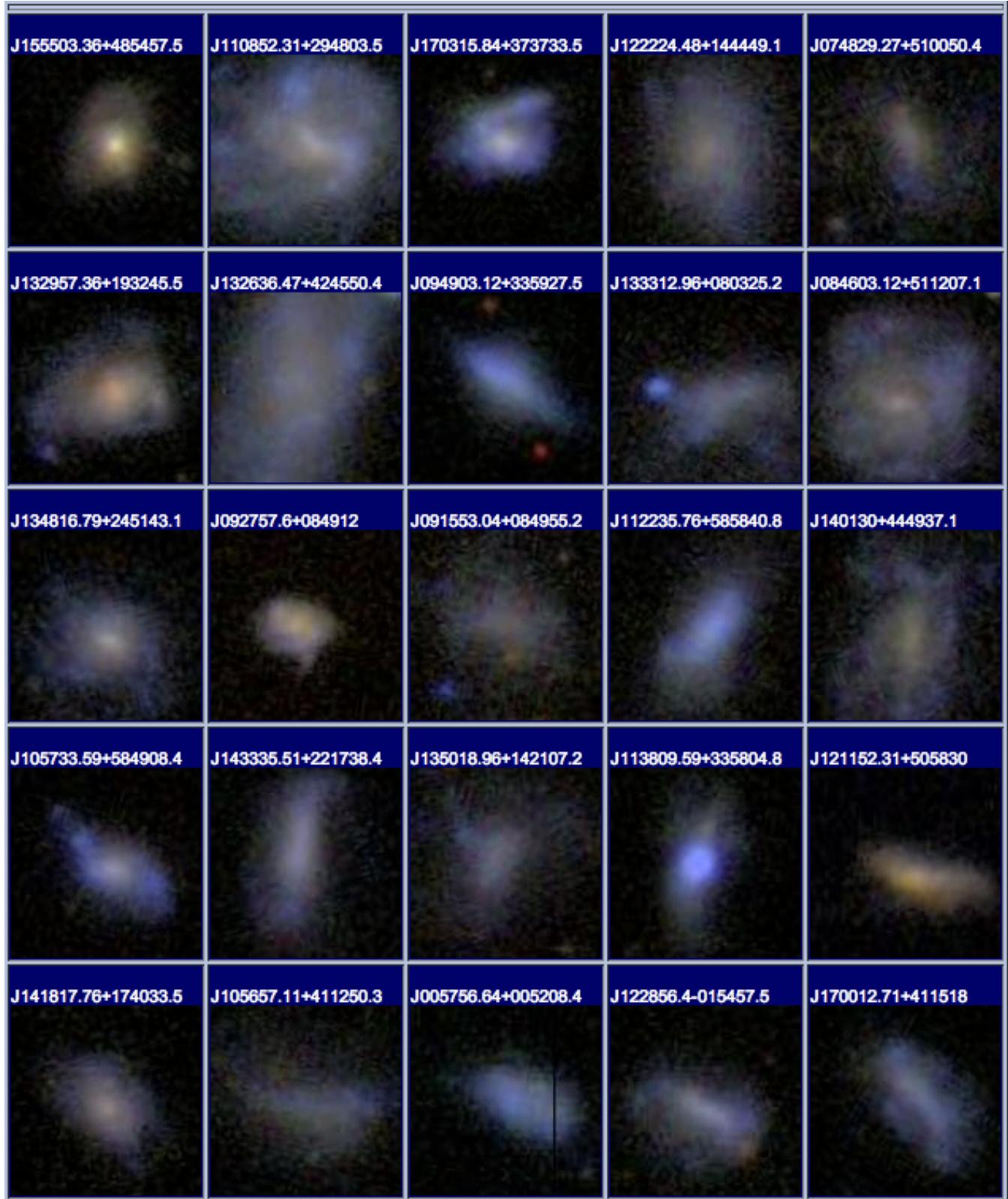


Figure 22. Example *gri* cutout images for galaxies identified as “irregular” (Task 08, Answer 22) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

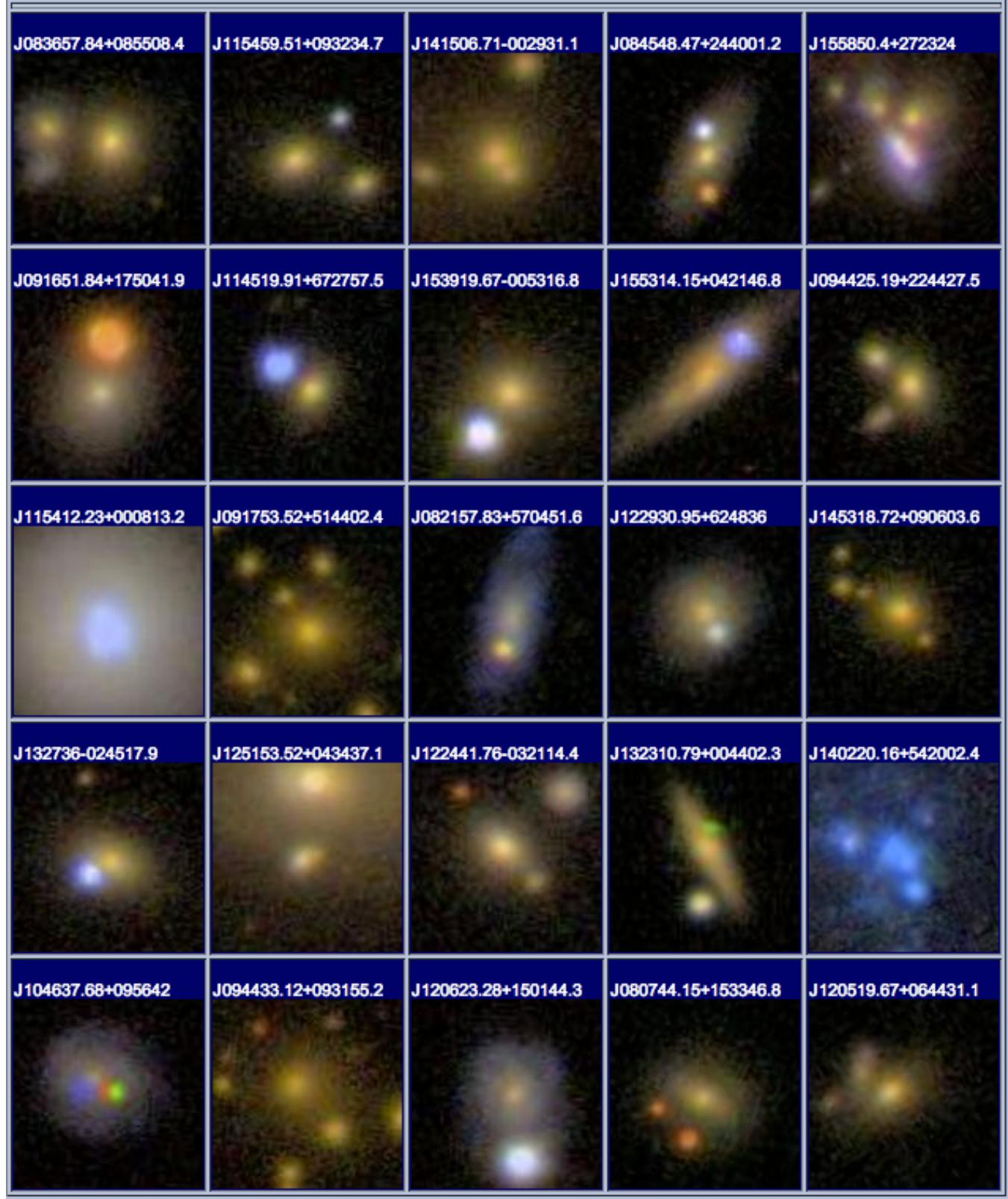


Figure 23. Example *gri* cutout images for galaxies identified as “other” (Task 08, Answer 23) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

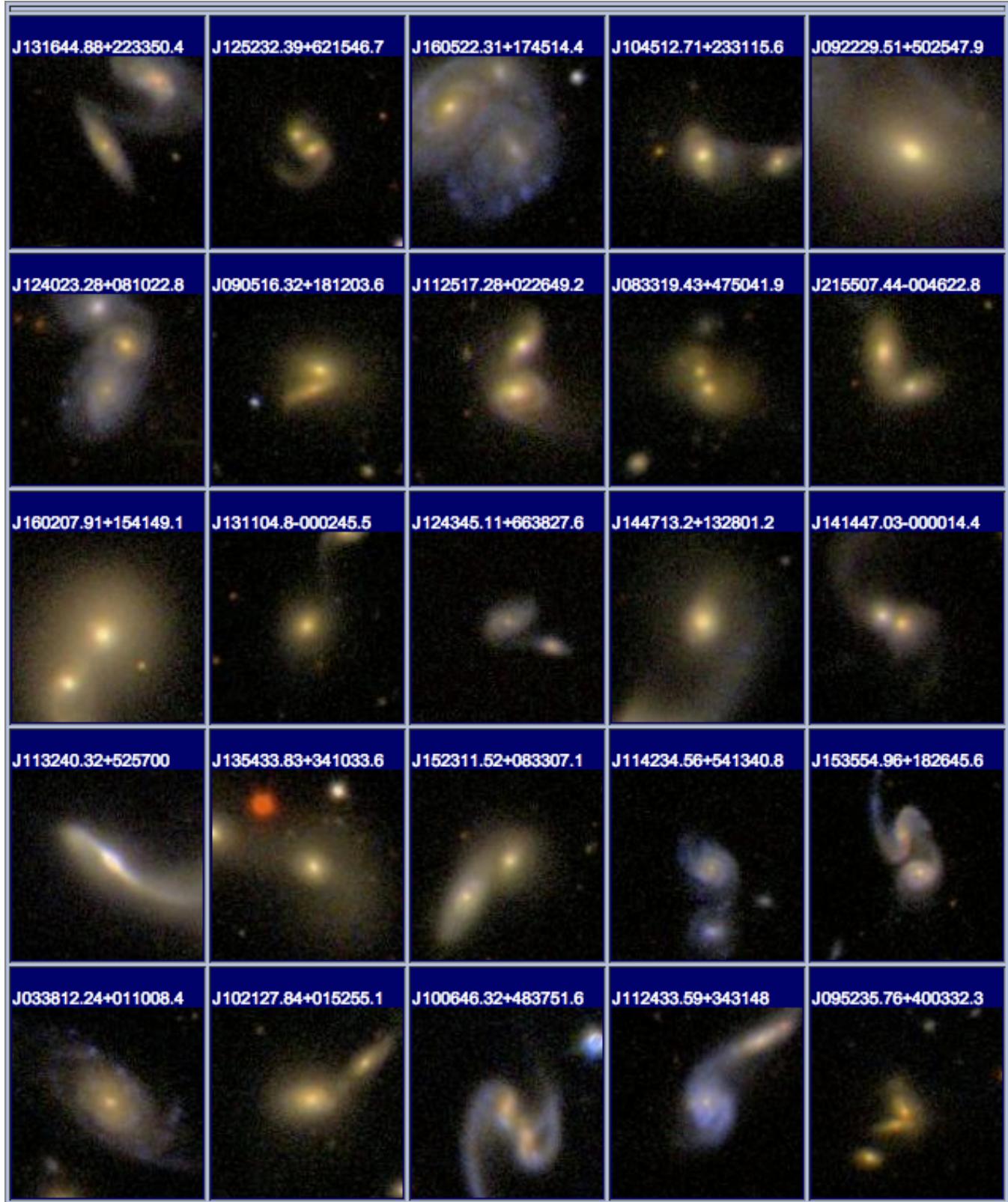


Figure 24. Example *gri* cutout images for galaxies identified as “merger” (Task 08, Answer 24) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

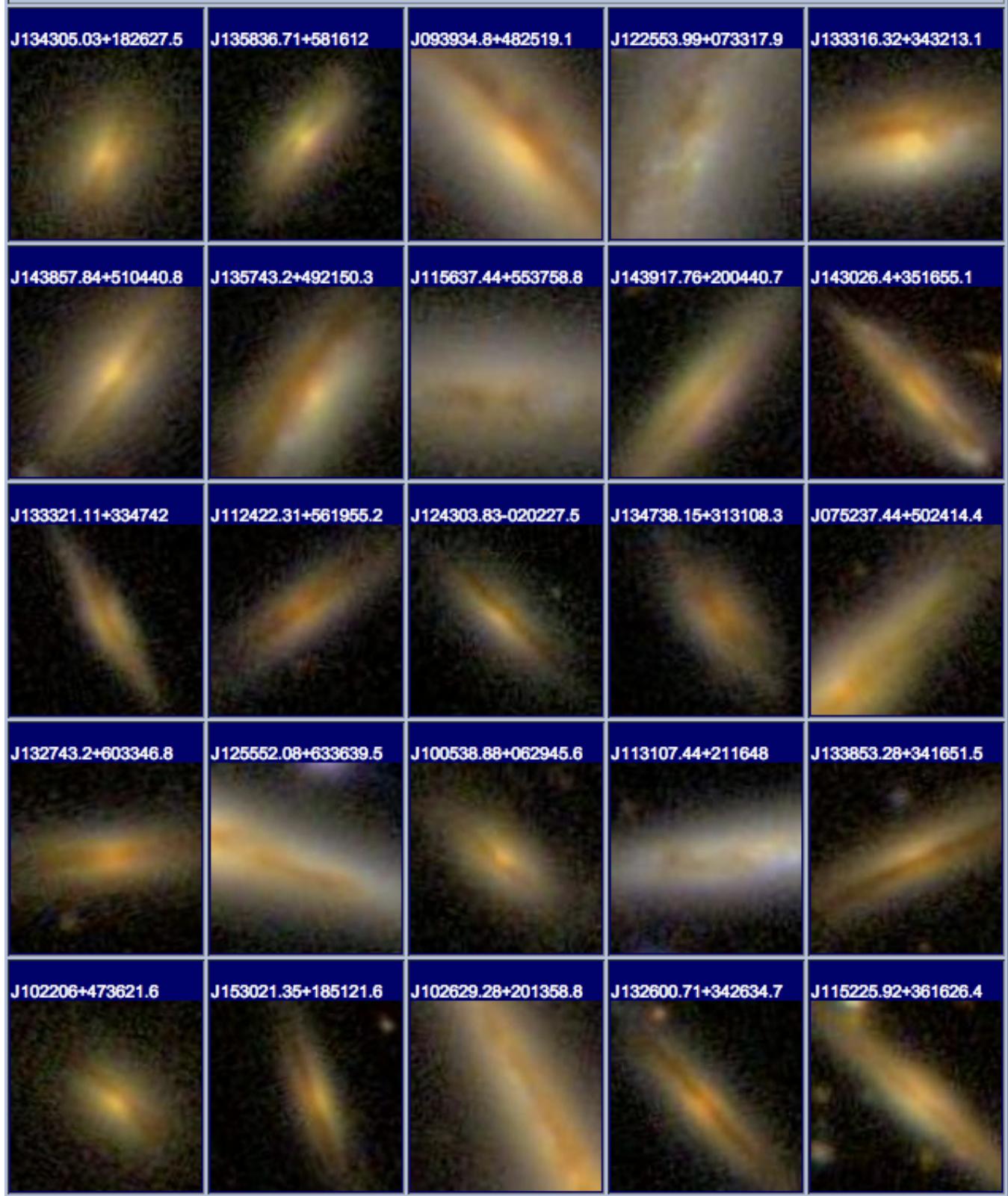


Figure 25. Example *gri* cutout images for galaxies identified as “dust lane” (Task 08, Answer 38) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

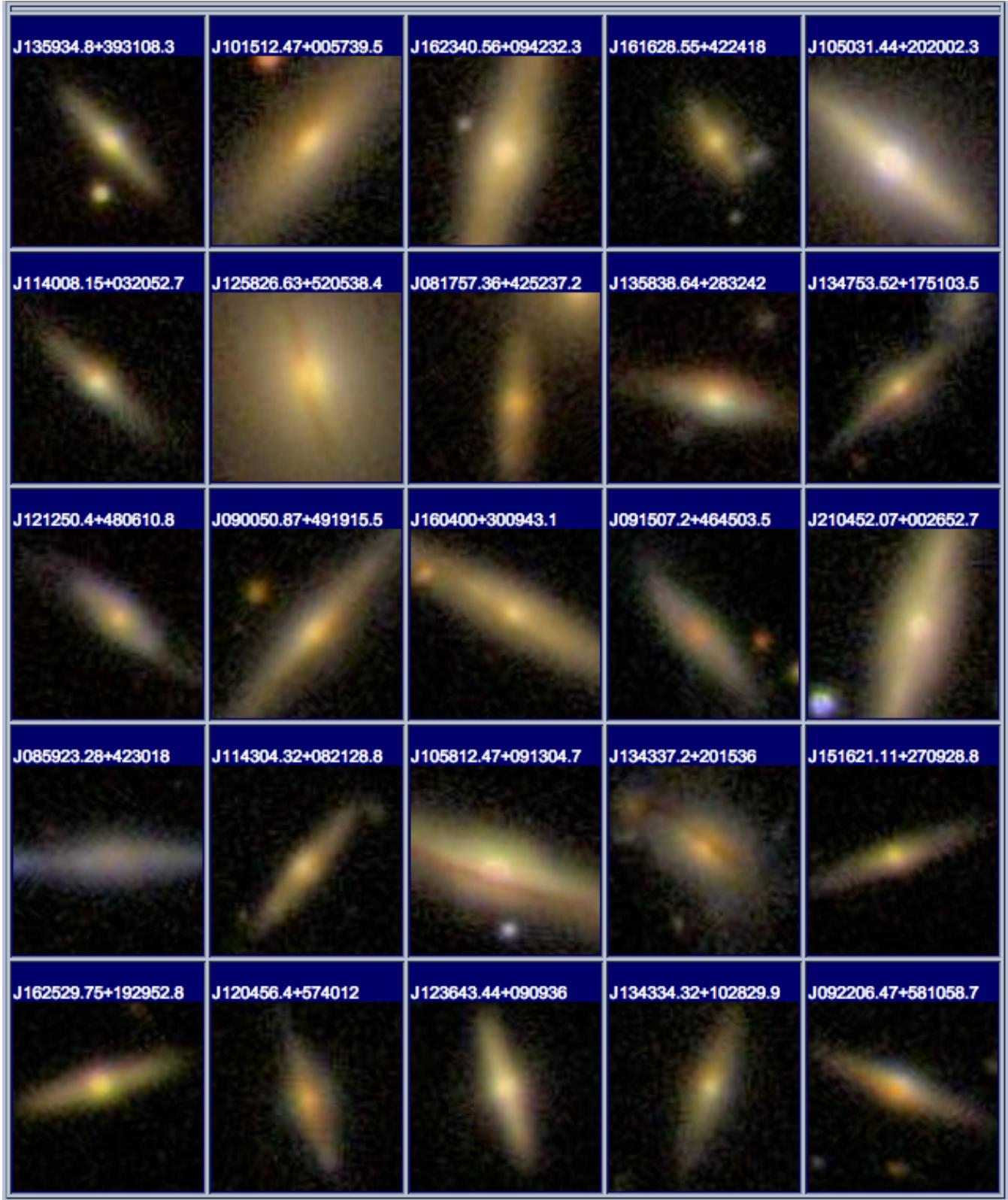


Figure 26. Example *gri* cutout images for galaxies identified as having a “rounded bulge” and edge-on (Task 09, Answer 25) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

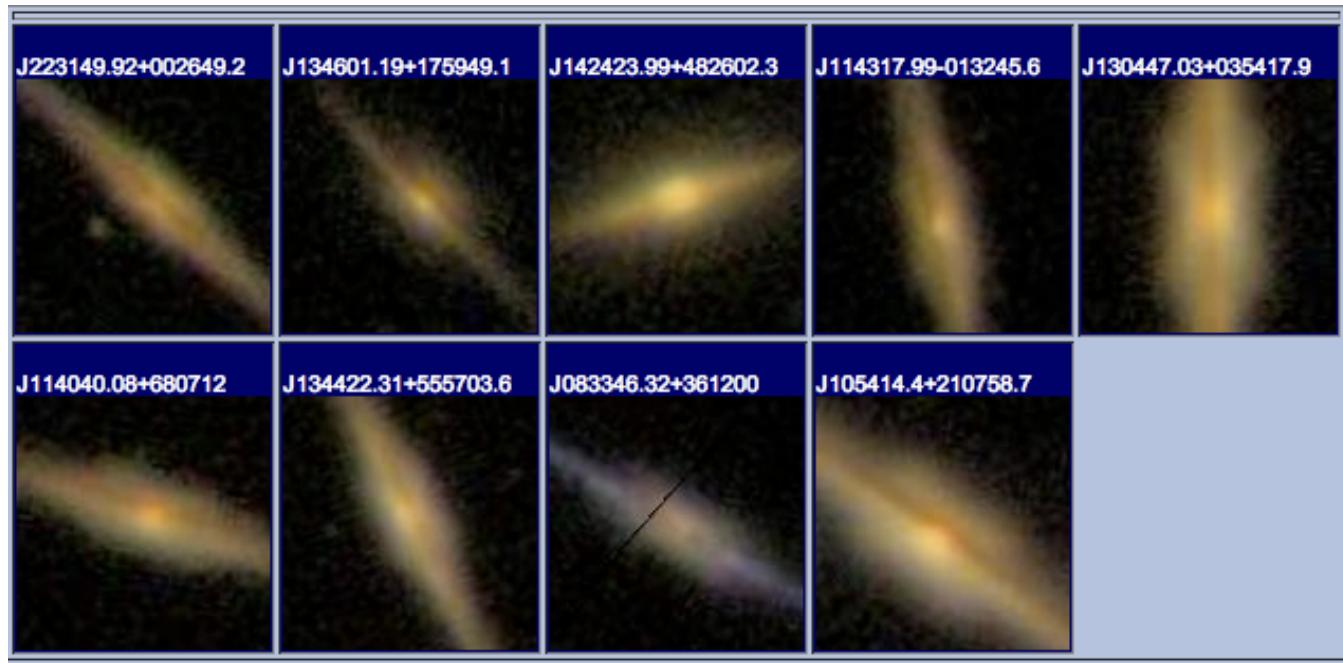


Figure 27. Example *gri* cutout images for galaxies identified as having a “boxy bulge” and edge-on (Task 09, Answer 26) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

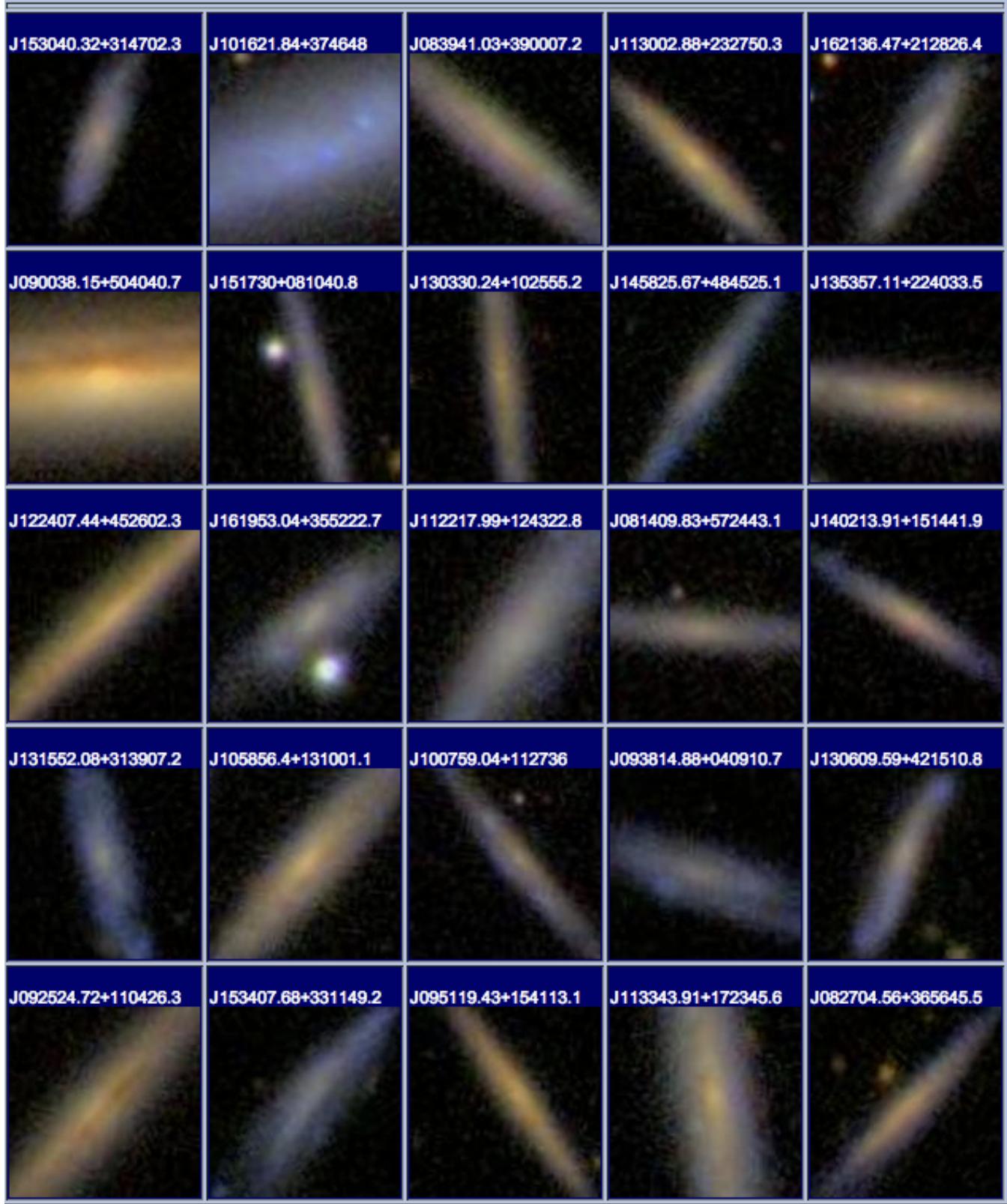


Figure 28. Example *gri* cutout images for galaxies identified as having “no bulge” and edge-on (Task 09, Answer 27) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

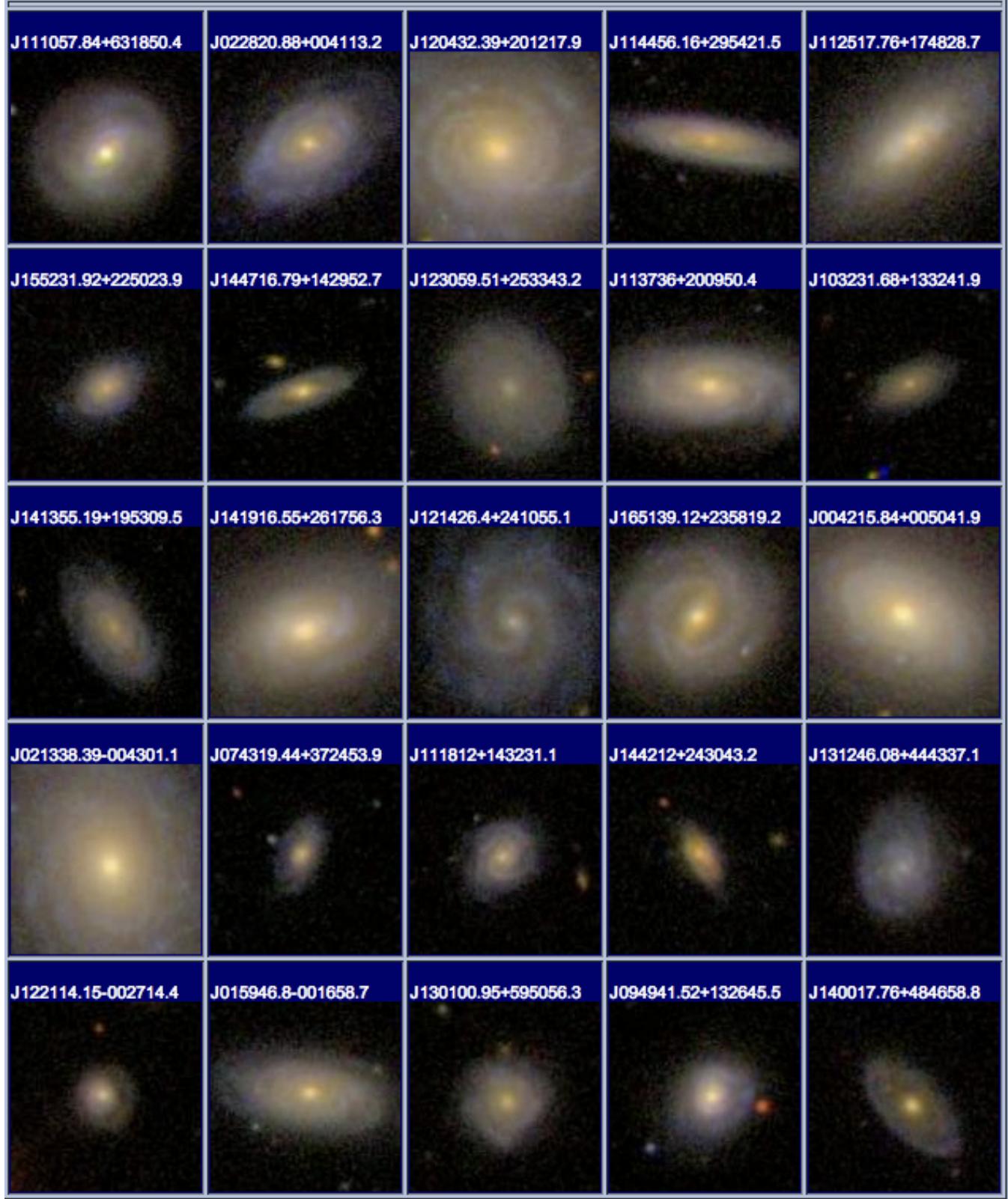


Figure 29. Example *gri* cutout images for galaxies identified as having “tight” winding spiral arms (Task 10, Answer 28) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

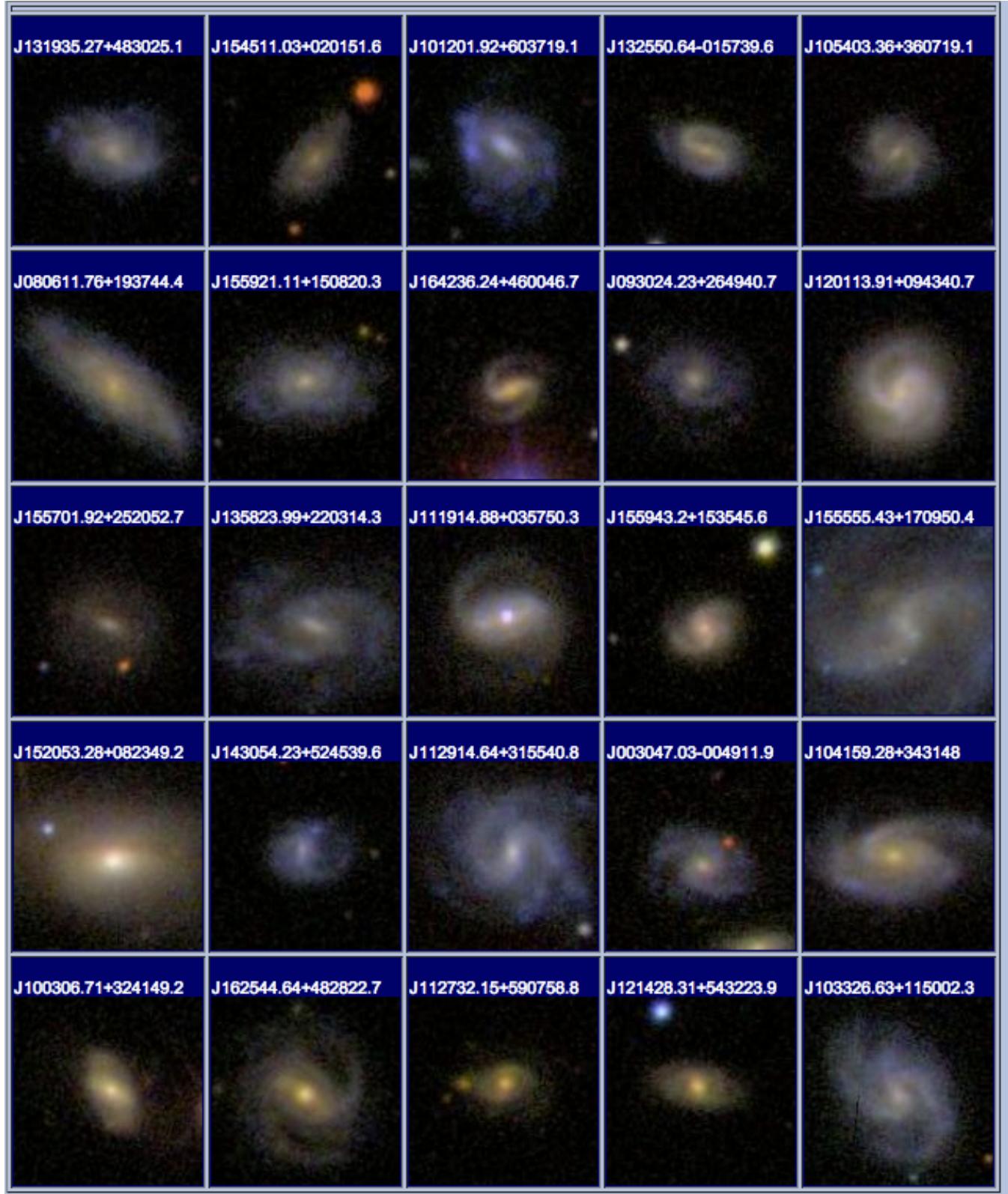


Figure 30. Example *gri* cutout images for galaxies identified as having “medium” winding spiral arms (Task 10, Answer 29) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

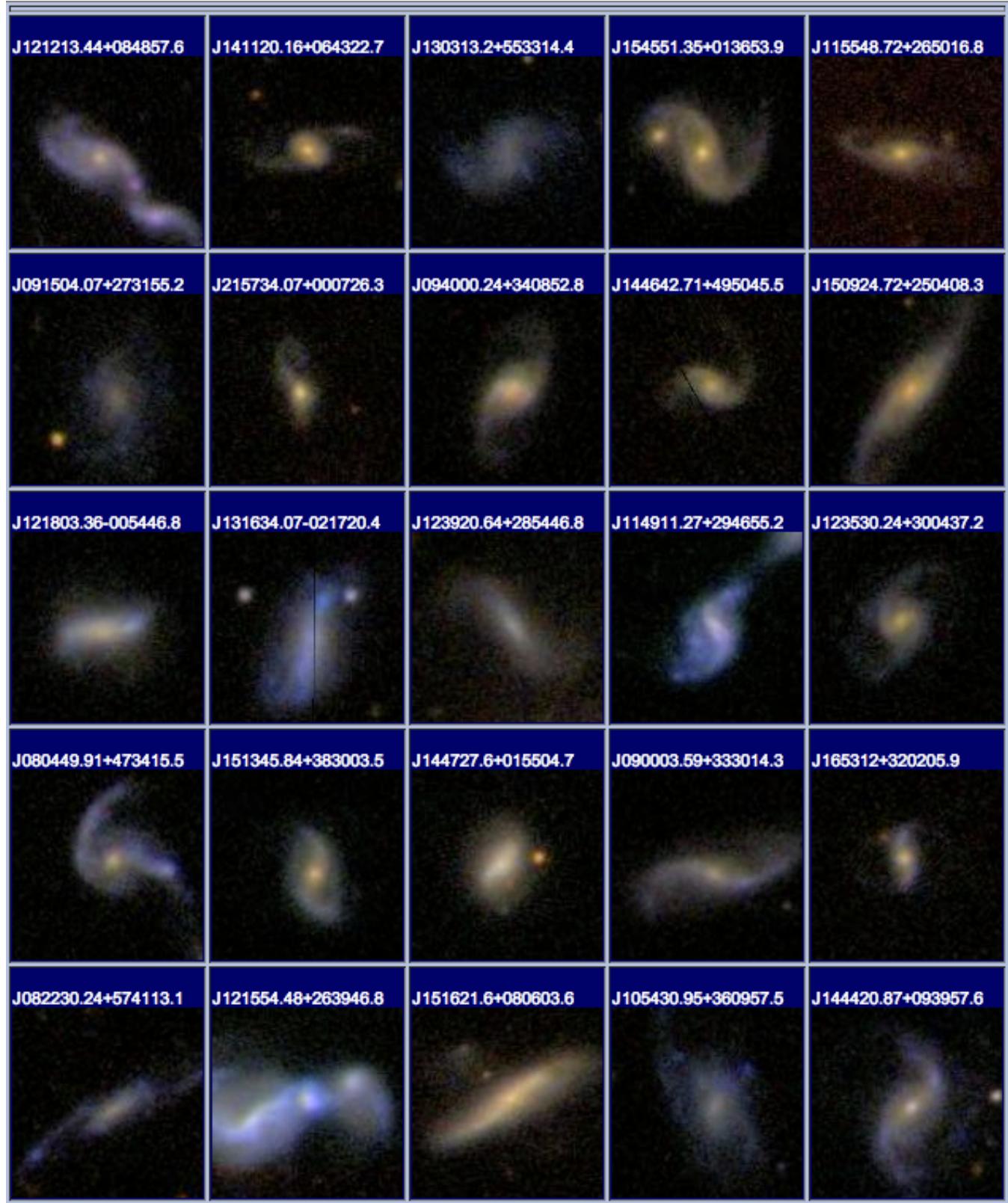


Figure 31. Example *gri* cutout images for galaxies identified as having “loose” winding spiral arms (Task 10, Answer 30) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

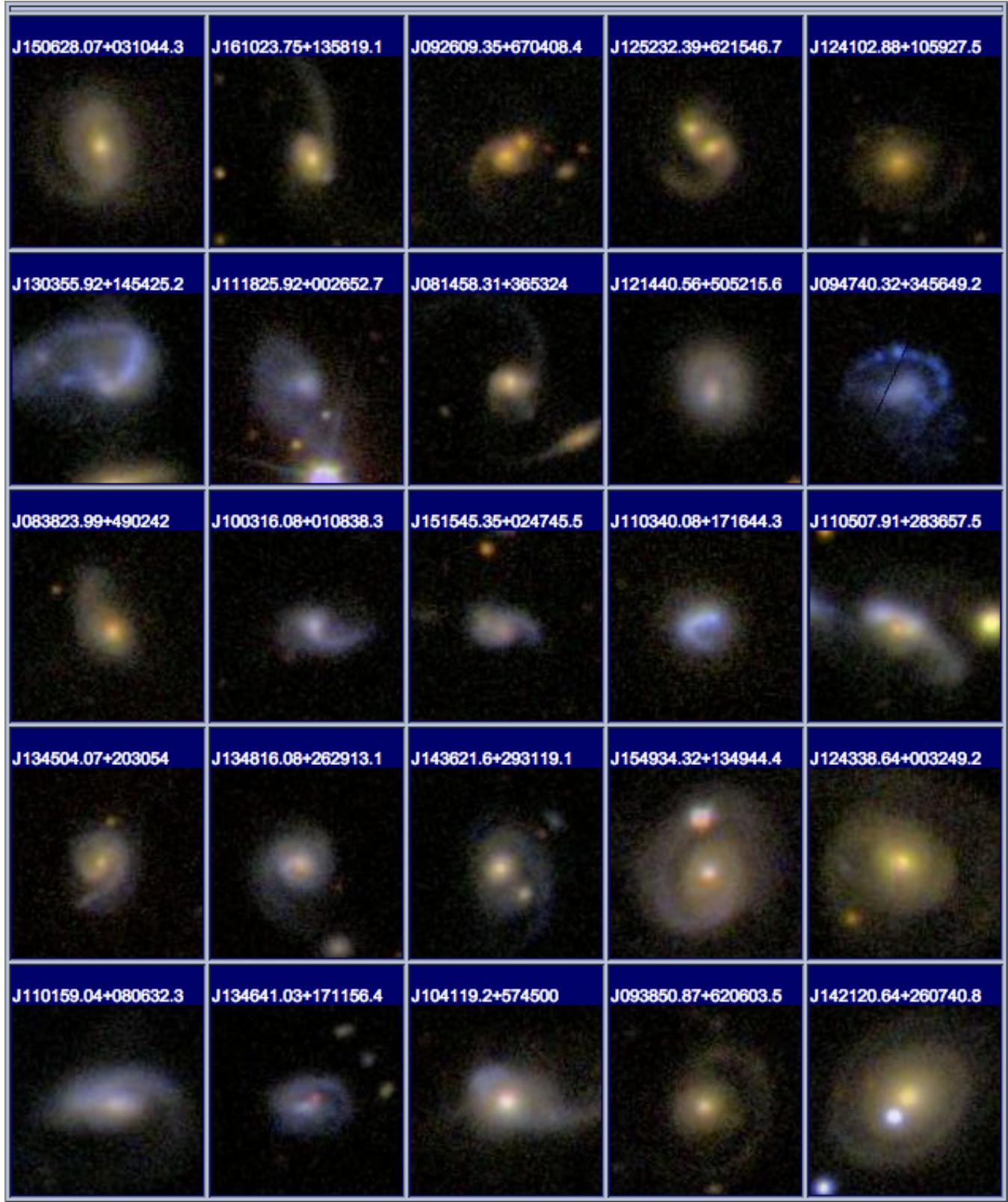


Figure 32. Example *gri* cutout images for galaxies identified as having 1 spiral arm (Task 11, Answer 31) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

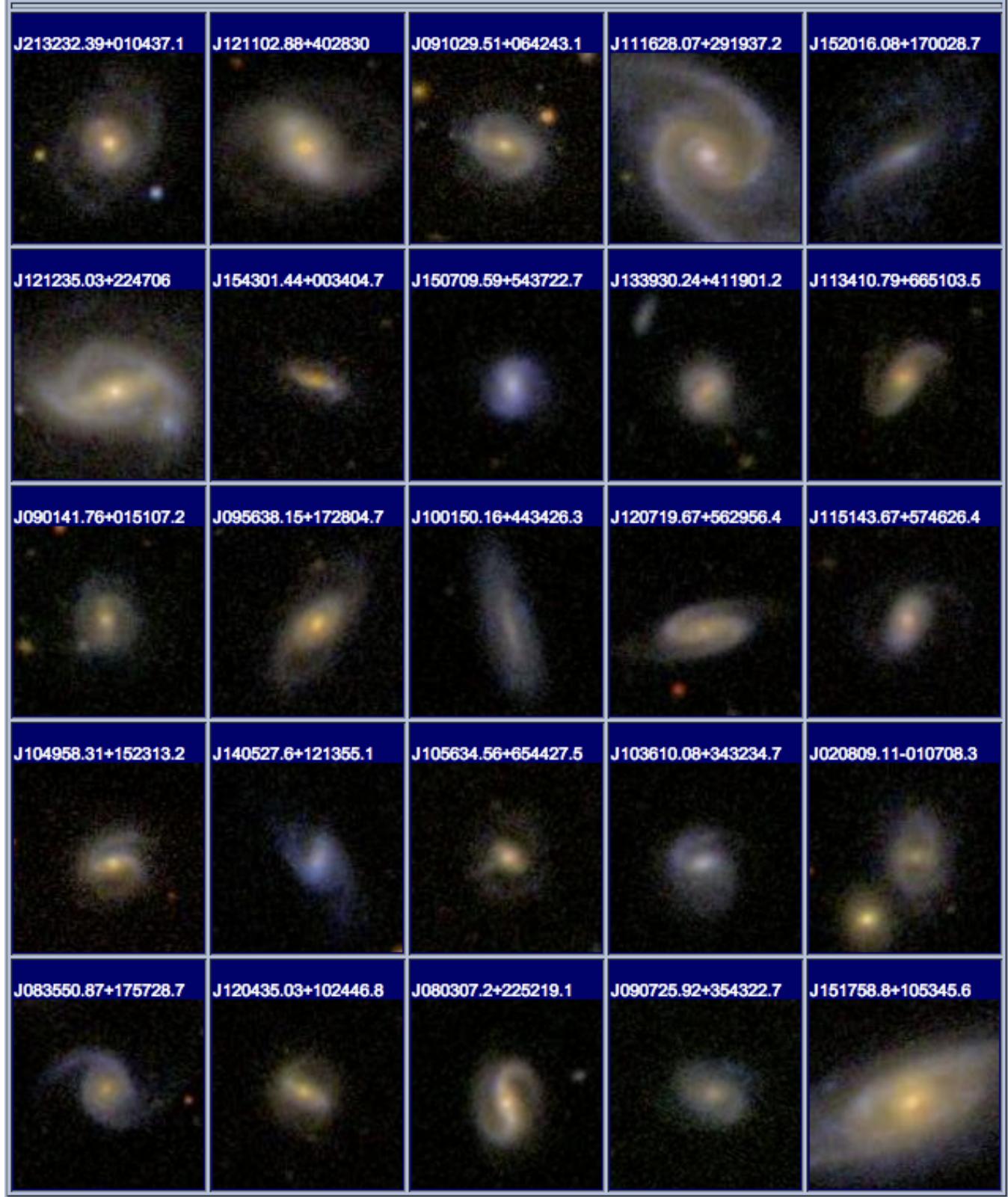


Figure 33. Example *gri* cutout images for galaxies identified as having 2 spiral arms (Task 11, Answer 32) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

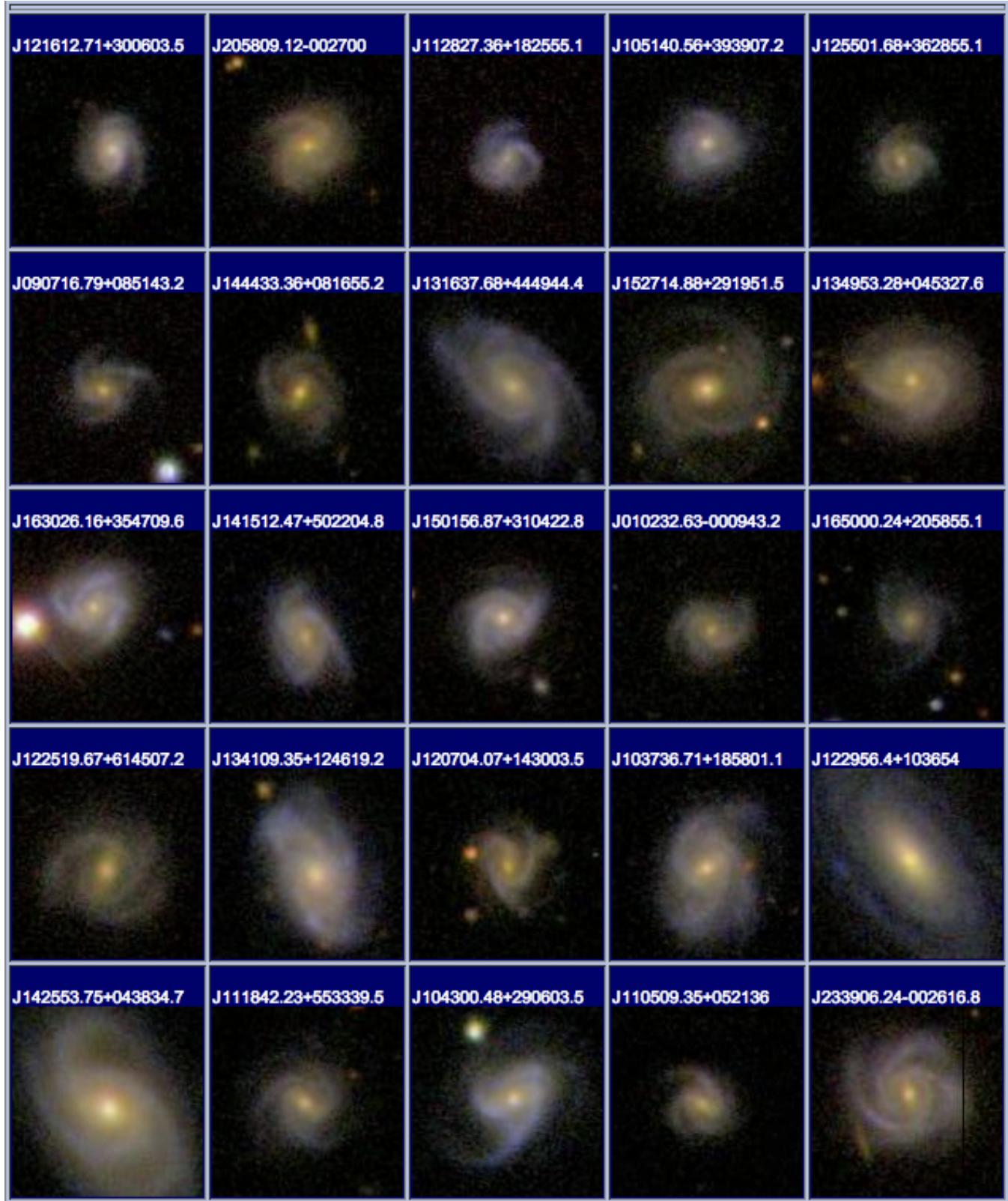


Figure 34. Example *gri* cutout images for galaxies identified as having 3 spiral arms (Task 11, Answer 33) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

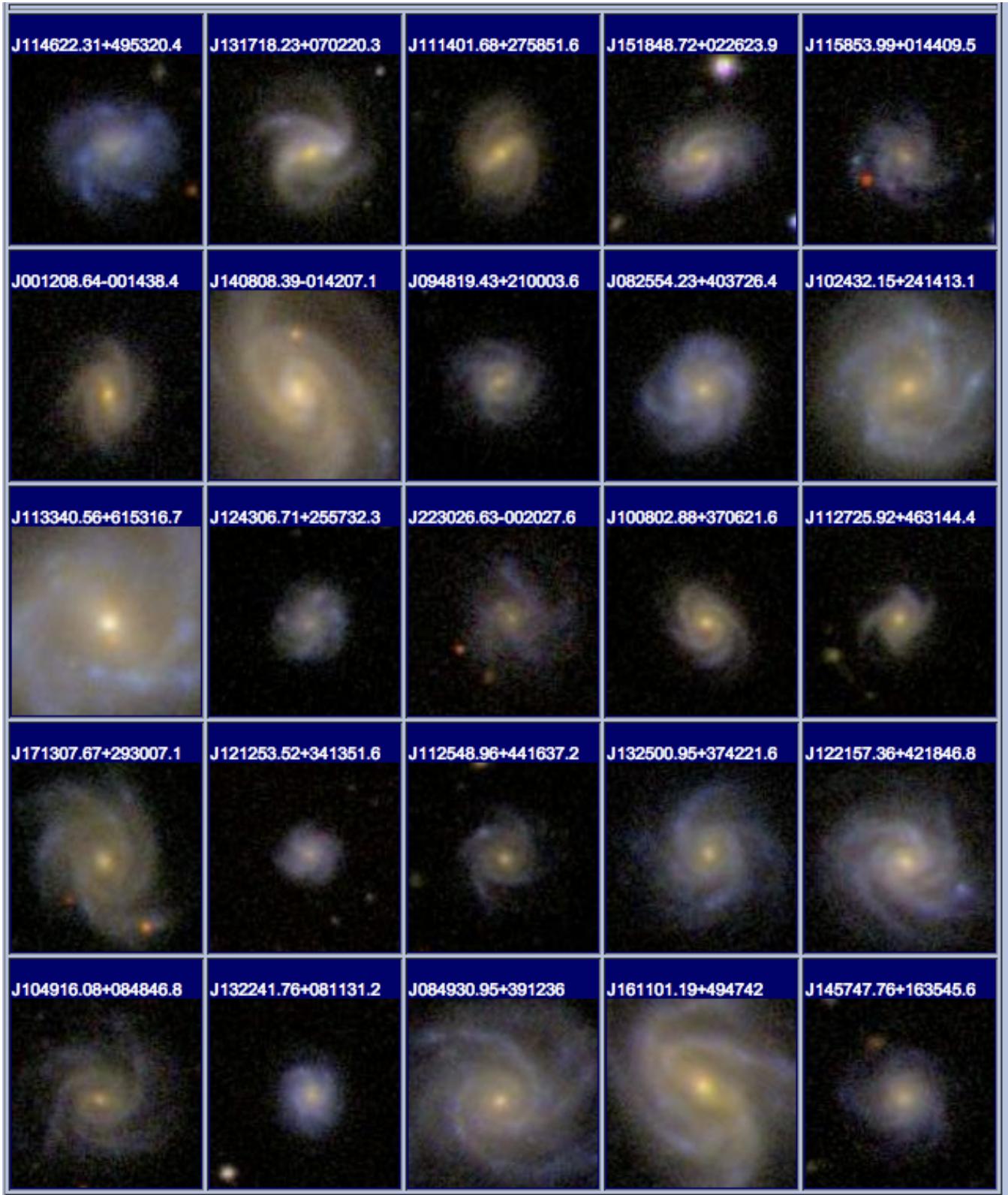


Figure 35. Example *gri* cutout images for galaxies identified as having 4 spiral arms (Task 11, Answer 34) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

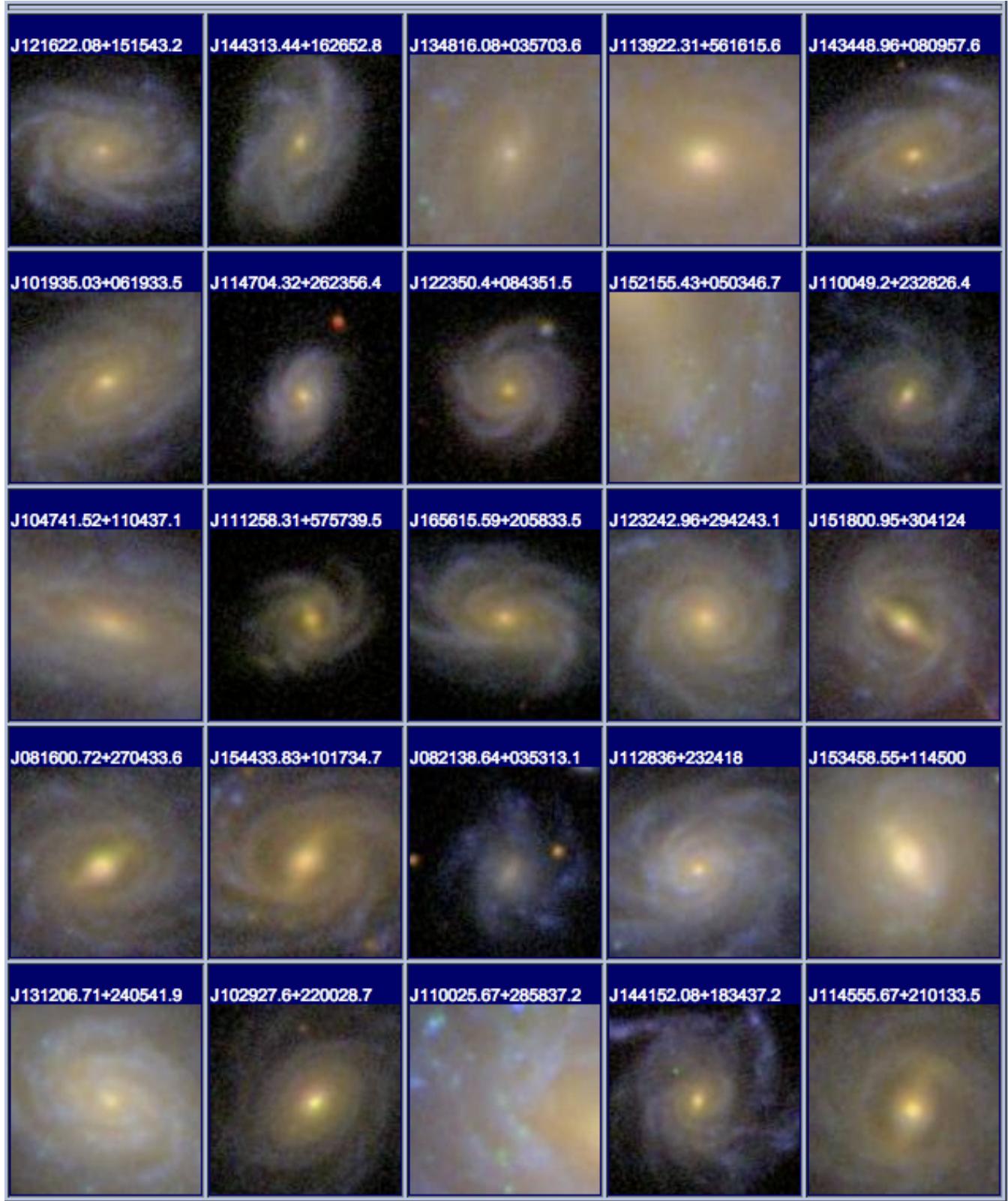


Figure 36. Example *gri* cutout images for galaxies identified as having more than 4 spiral arms (Task 11, Answer 36) from the GZ2 clean, debiased sample. Format is the same as Figure 1.

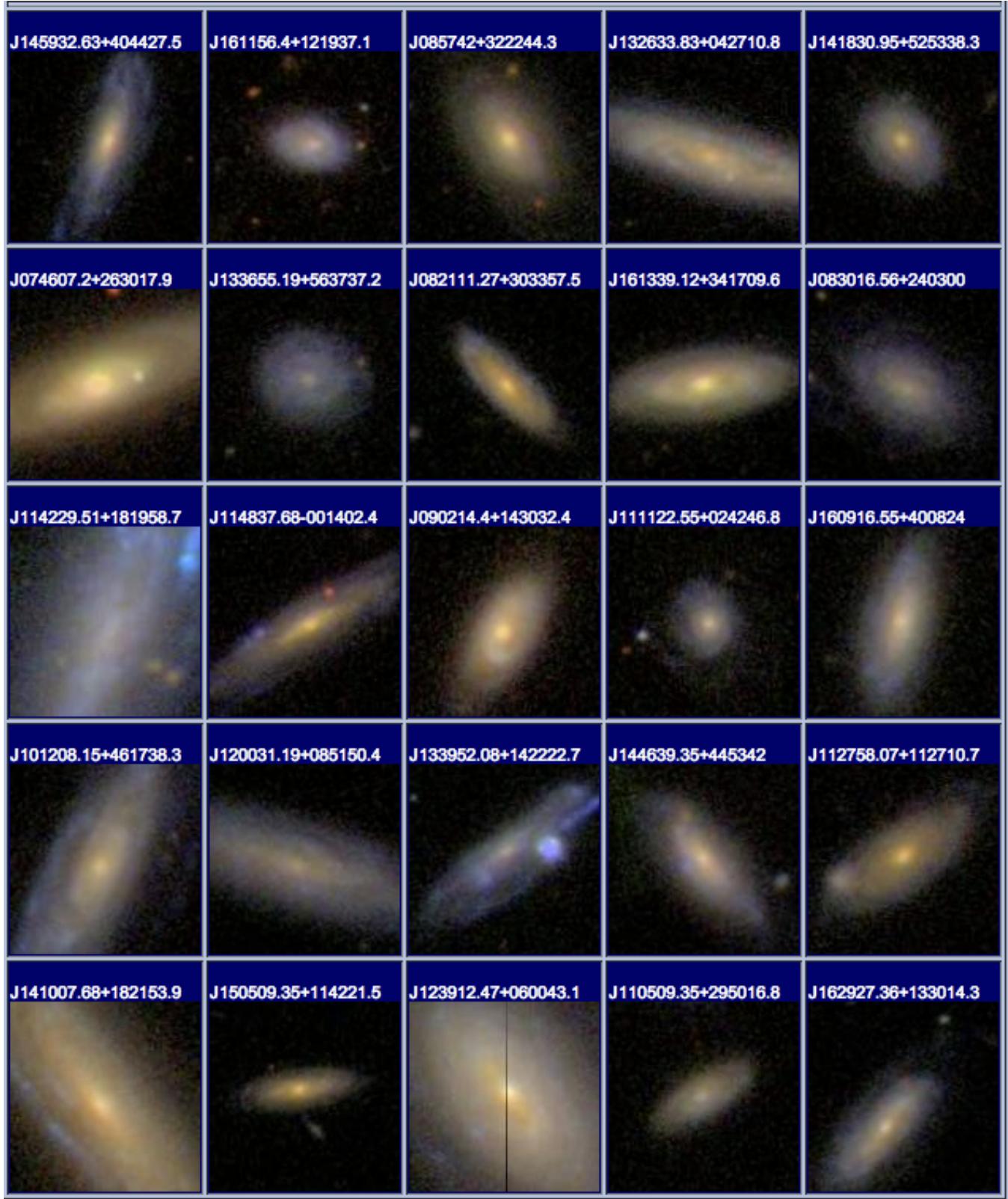


Figure 37. Example *gri* cutout images for galaxies identified as spiral arms, but “can’t tell” how many (Task 11, Answer 37) from the GZ2 clean, debiased sample. Format is the same as Figure 1.