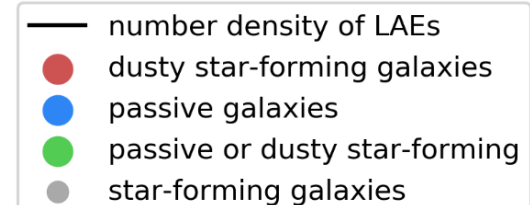
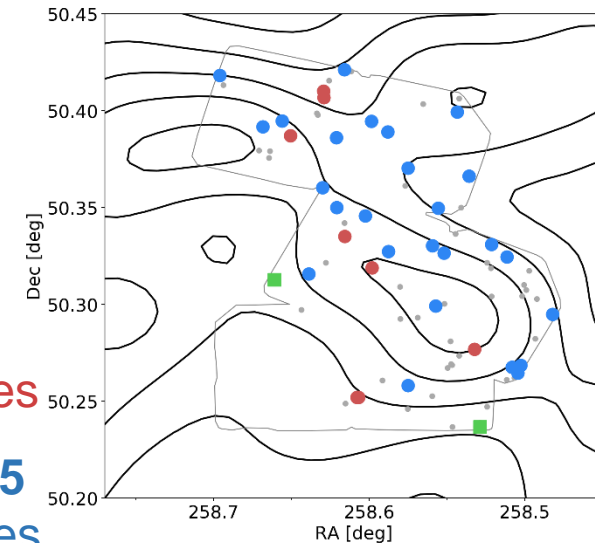
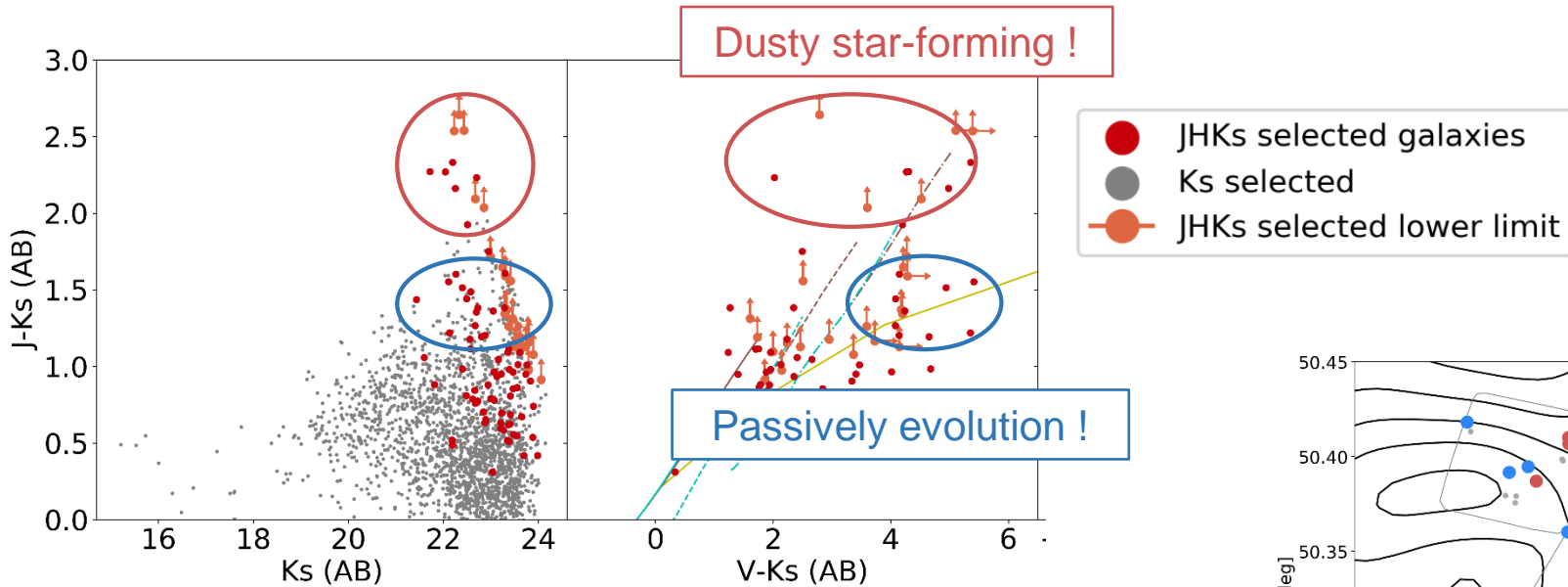


Star formation activity of massive galaxies in the protocluster near 53W002 at $z = 2.4$

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- Member galaxies with **very red color of $J-Ks_{(AB)} > 2$**
=> their colors are consistent with **dusty star-forming galaxies**
- Member galaxies with **moderate red color of $J-Ks_{(AB)} \sim 1.5$**
=> their colors are consistent with **quenched/passive galaxies**



Their location are offset from each other.