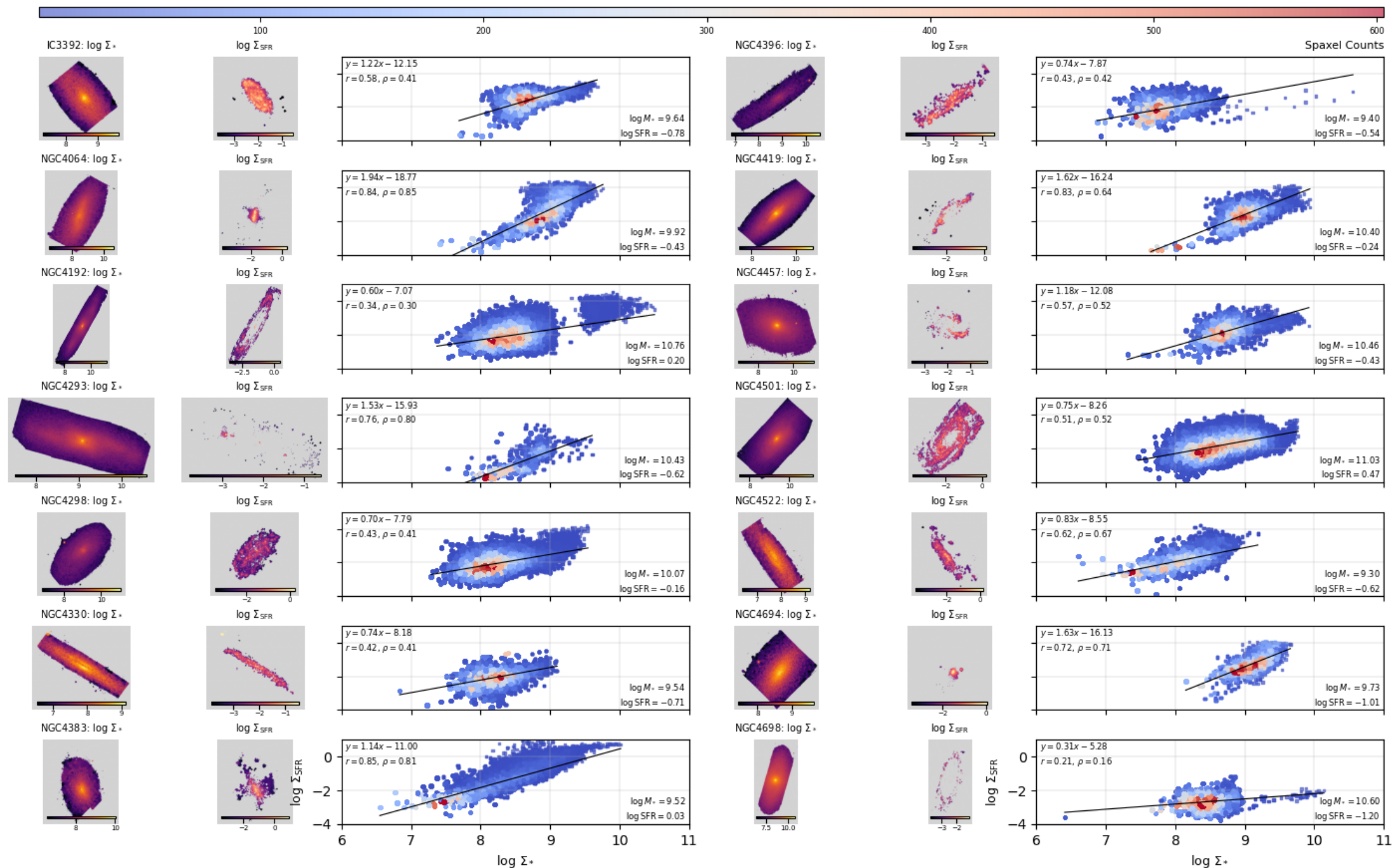
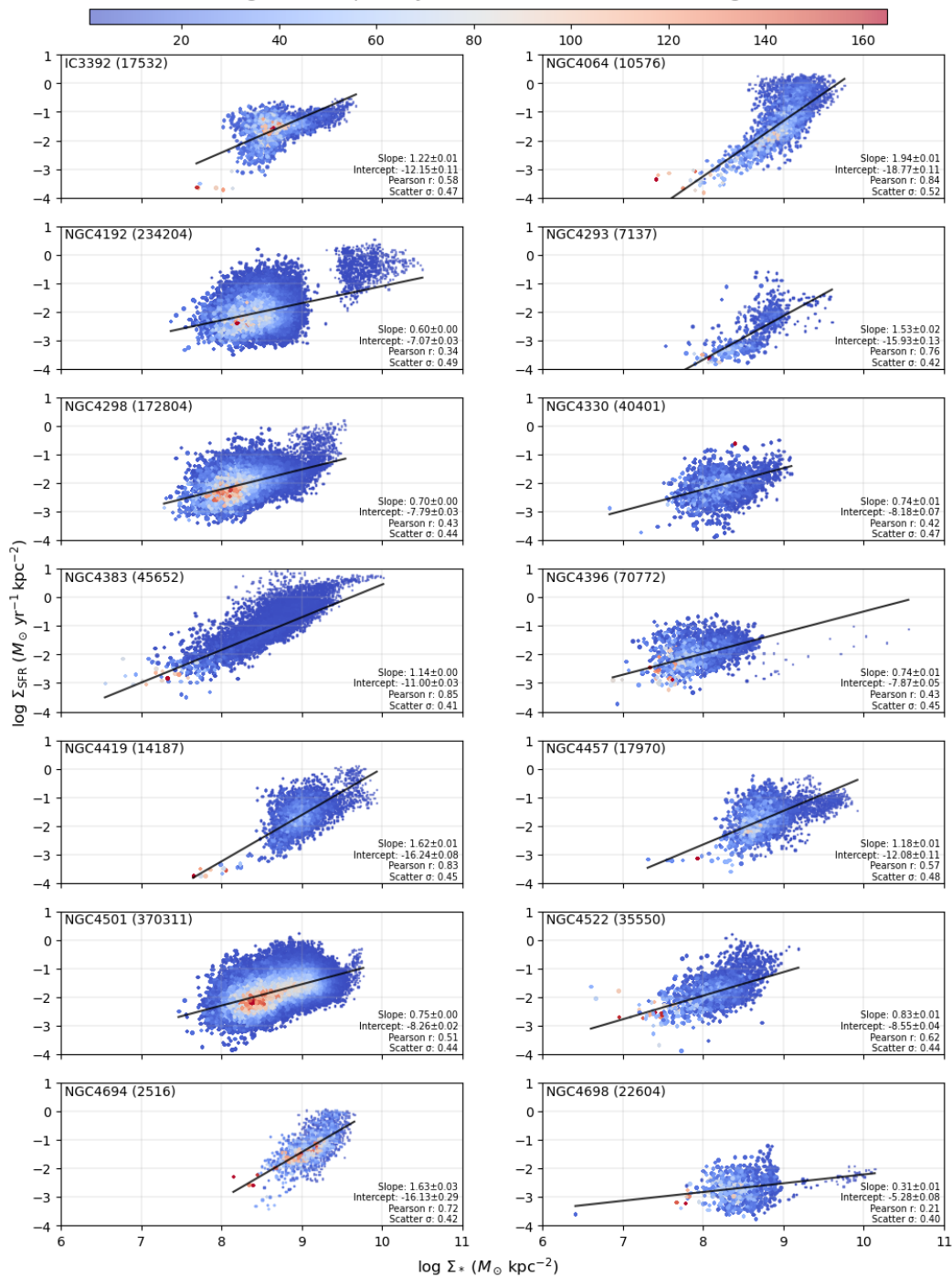
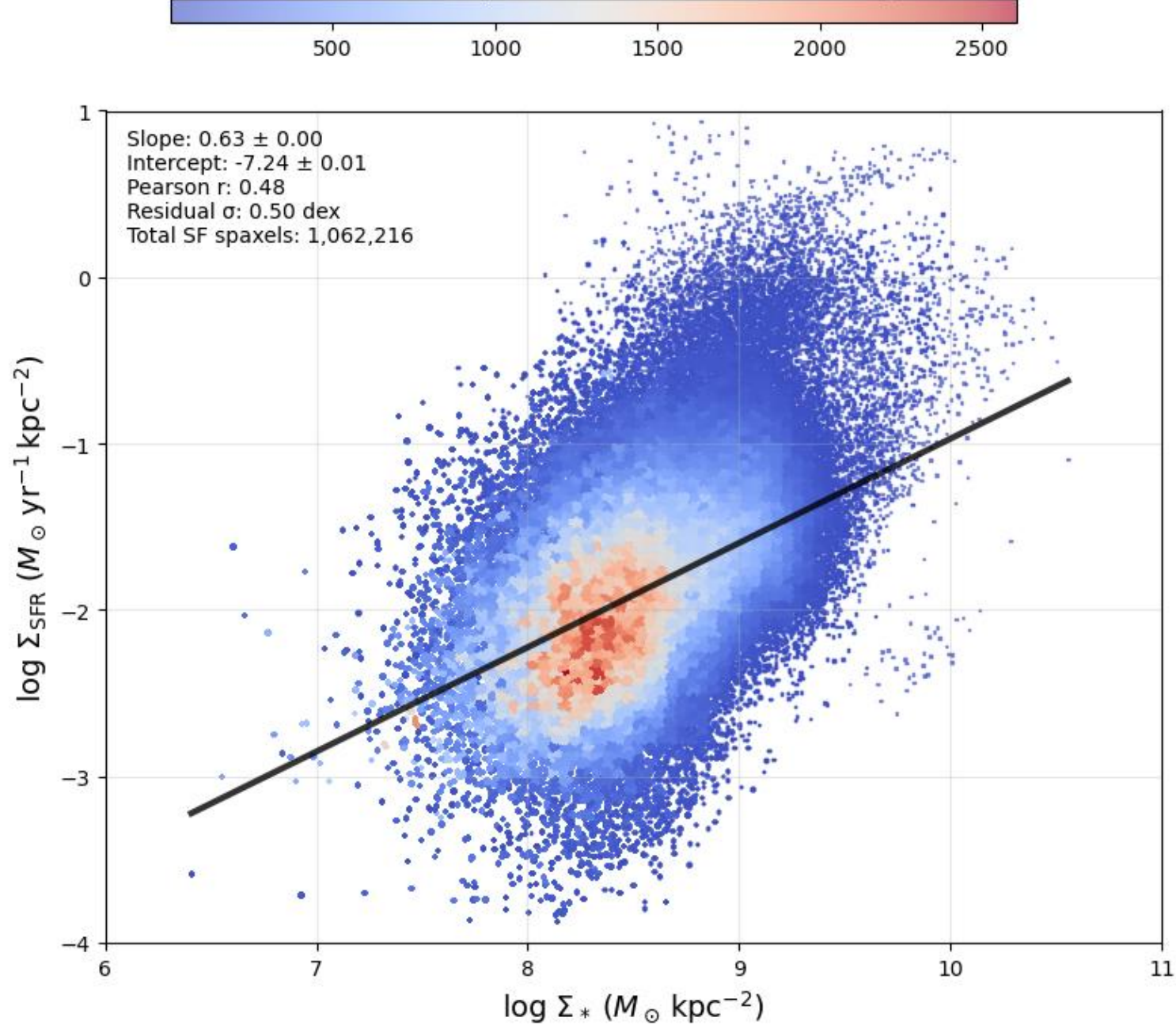


14 MAUVE galaxies: Σ_* map, Star-Forming Σ_{SFR} map, and resolved Star-Forming Main Sequence (rSFMS)



14 MAUVE galaxies: Spatially-resolved Σ_* vs Σ_{SFR} with Fitting Statistics

Combined: All SF spaxels from 14 MAUVE galaxies



COMPREHENSIVE FITTING STATISTICS				
Galaxy Name	Slope \pm Error	Intercept \pm Error	Pearson R Coeff.	Scatter σ (dex)
IC3392	1.22 \pm 0.01	-12.15 \pm 0.11	0.58	0.47
NGC4064	1.94 \pm 0.01	-18.77 \pm 0.11	0.84	0.52
NGC4192	0.60 \pm 0.00	-7.07 \pm 0.03	0.34	0.49
NGC4293	1.53 \pm 0.02	-15.93 \pm 0.13	0.76	0.42
NGC4298	0.70 \pm 0.00	-7.79 \pm 0.03	0.43	0.44
NGC4330	0.74 \pm 0.01	-8.18 \pm 0.07	0.42	0.47
NGC4383	1.14 \pm 0.00	-11.00 \pm 0.03	0.85	0.41
NGC4396	0.74 \pm 0.01	-7.87 \pm 0.05	0.43	0.45
NGC4419	1.62 \pm 0.01	-16.24 \pm 0.08	0.83	0.45
NGC4457	1.18 \pm 0.01	-12.08 \pm 0.11	0.57	0.48
NGC4501	0.75 \pm 0.00	-8.26 \pm 0.02	0.51	0.44
NGC4522	0.83 \pm 0.01	-8.55 \pm 0.04	0.62	0.44
NGC4694	1.63 \pm 0.03	-16.13 \pm 0.29	0.72	0.42
NGC4698	0.31 \pm 0.01	-5.28 \pm 0.08	0.21	0.40

COMBINED FITTING STATISTICS – ALL SF SPAXELS FROM 14 GALAXIES				
Total SF spaxels: 1,062,216				
Slope: 0.63 \pm 0.00				
Intercept: -7.24 \pm 0.01				
Pearson correlation coefficient: 0.48				
Standard deviation of residuals: 0.50 dex				

Relation	Reference	β	α	r_c	σ_{obs}	σ_{exp}	# galaxies	# SFA/SF
rSFMS	EDGE	-10.10 \pm 0.22	1.02 \pm 0.16	0.68	0.266	0.190	126	12667
	CALIFA	-10.27 \pm 0.22	1.01 \pm 0.15	0.85	0.244	0.192	941	533
	APEX	-9.78 \pm 0.30	0.74 \pm 0.21	0.76	0.226	0.211	512	251
	Lin et al. (2019)	-11.68 \pm 0.11	1.19 \pm 0.01		0.25		14	5383*
	Cano-Díaz et al. (2019)	-10.48 \pm 0.69	0.94 \pm 0.08	0.62	0.27		2737	~500K
	Sánchez et al. (2020)	-10.35 \pm 0.03	0.98 \pm 0.02	0.96	0.17		1512	~3M
	Ellison et al. (2021a)	-10.07 \pm 1.44	1.03 \pm 0.17	0.57	0.28-0.39		28	~15035

Reference	α_{rSFMS}	α_{rKS}	α_{rMGMS}	spatial scale
Sánchez et al. (2021)	1.01 \pm 0.015	0.95 \pm 0.21	0.93 \pm 0.18	~kpc
Ellison et al. (2021)	0.68 \pm 0.01	0.86 \pm 0.01	0.73 \pm 0.01	~kpc
Barrera-Ballesteros et al. (2021a)	0.92	0.54	–	~2 kpc
Morselli et al. (2020)	0.74 \pm 0.25	0.83 \pm 0.12	0.94 \pm 0.29	~500 pc
Lin et al. (2019)	1.19 \pm 0.01	1.05 \pm 0.01	1.1 \pm 0.01	~kpc
Dey et al. (2019)	–	1.0 \pm 0.1	–	~kpc
Medling et al. (2018)	0.72 \pm 0.04	–	–	~kpc
Abdurro’uf & Akiyama (2017)	0.99	–	–	~kpc
Hsieh et al. (2017)	0.715 \pm 0.001	–	–	~kpc
Cano-Díaz et al. (2016)	0.72 \pm 0.04	–	–	~kpc