

FIG. 1

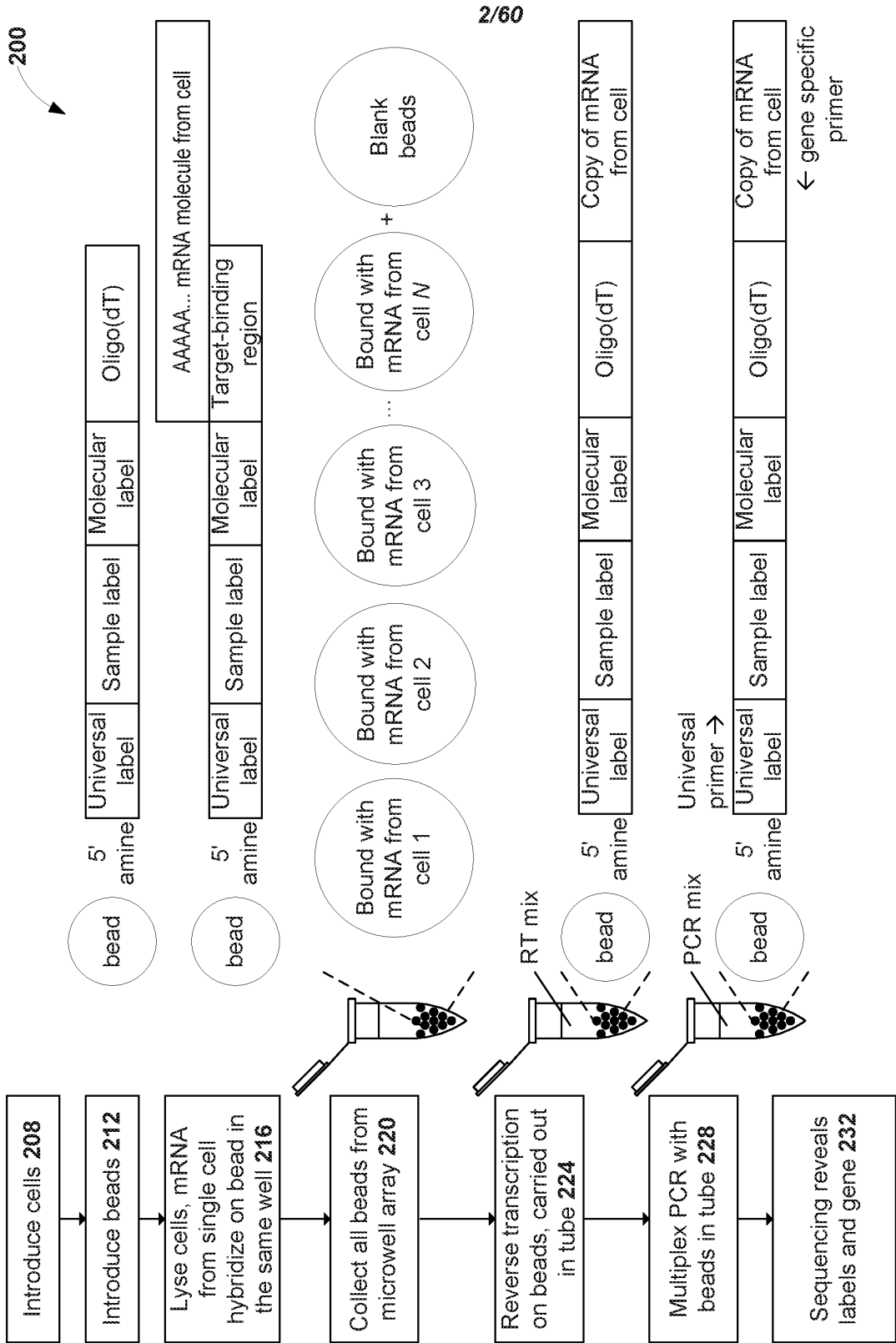


FIG. 2

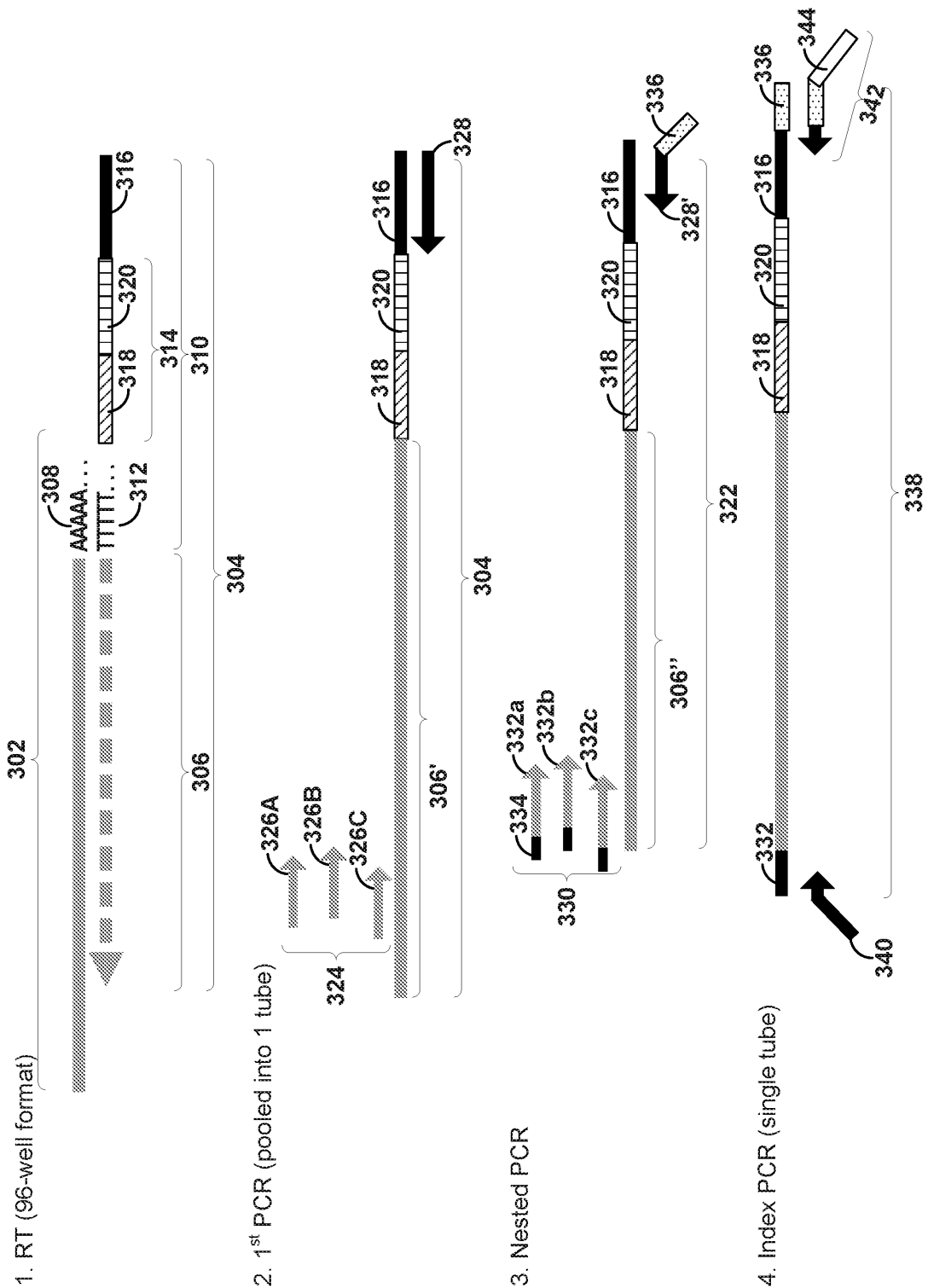
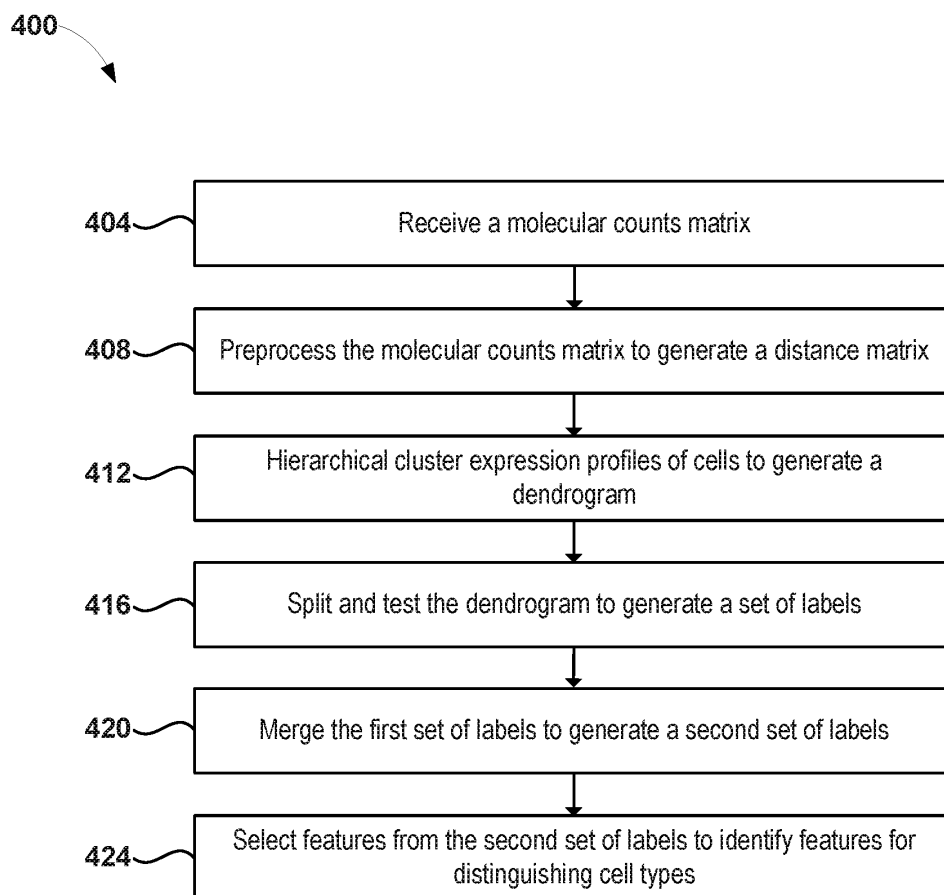


FIG. 3

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**FIG. 4**

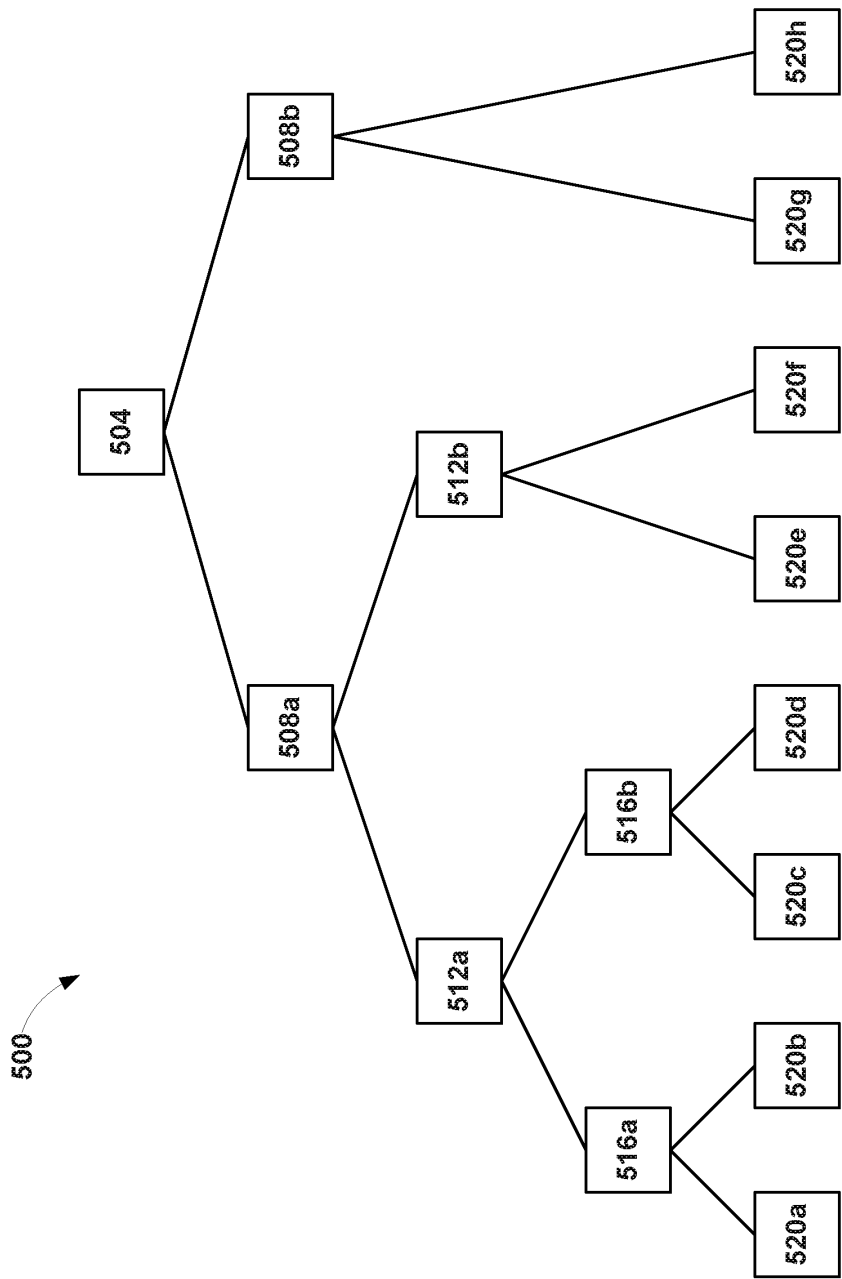
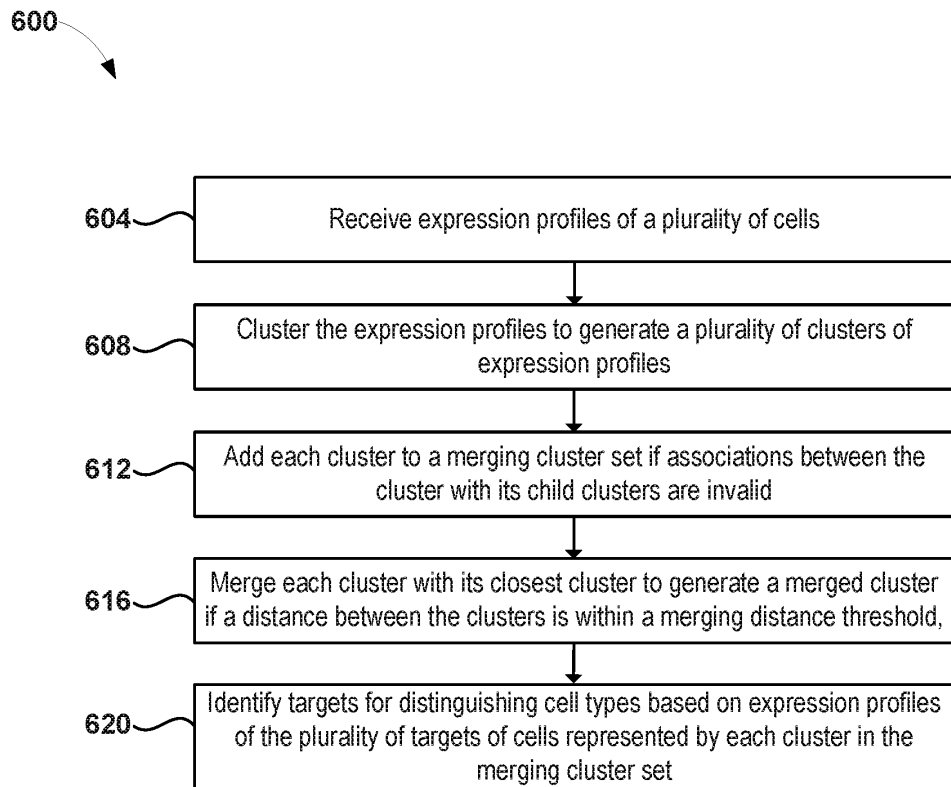


FIG. 5

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**FIG. 6**

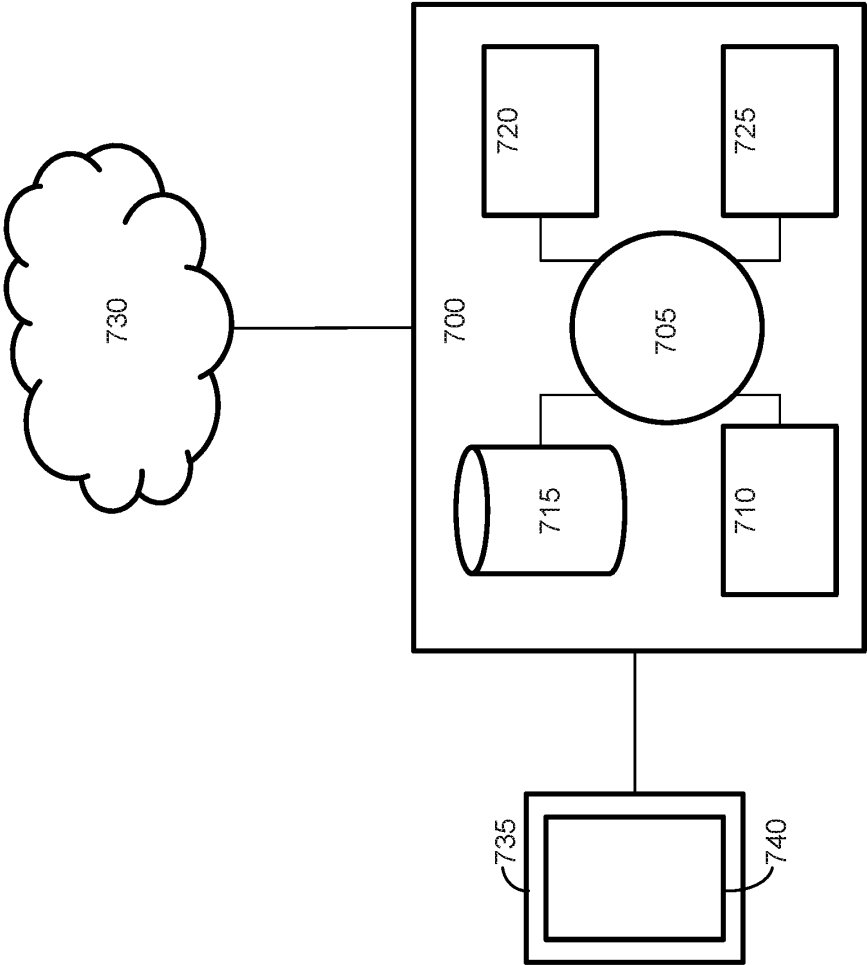


FIG. 7

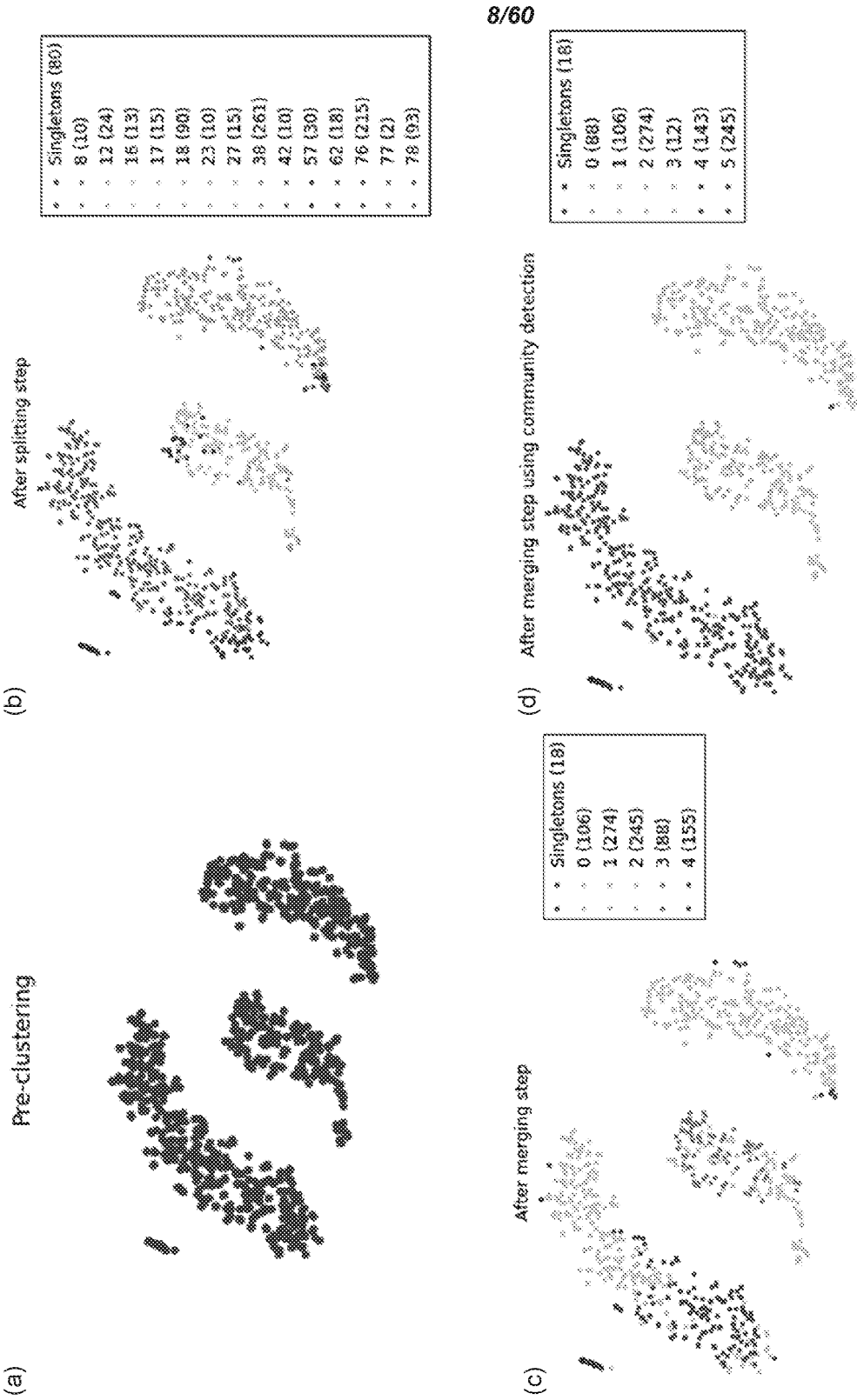
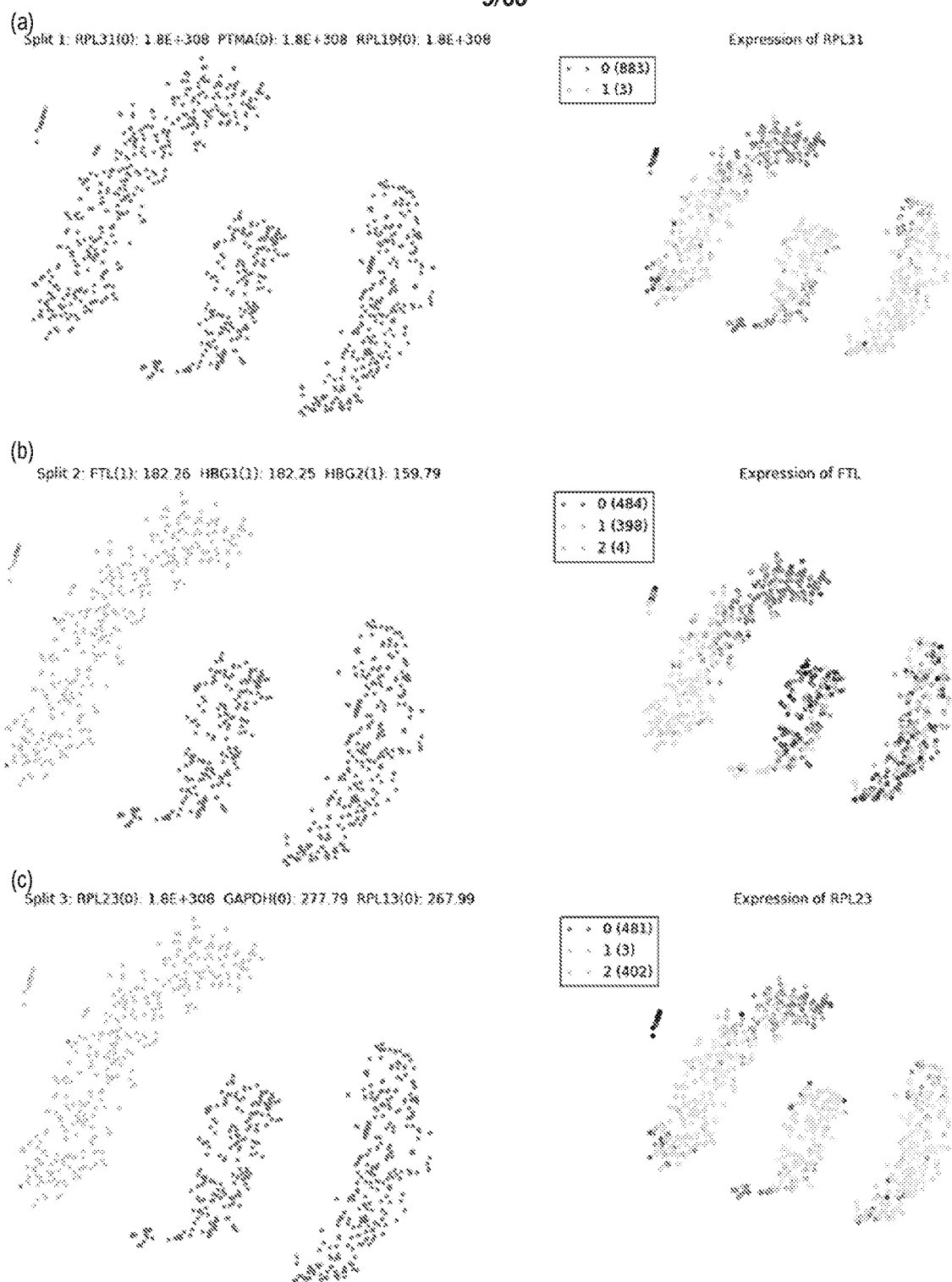
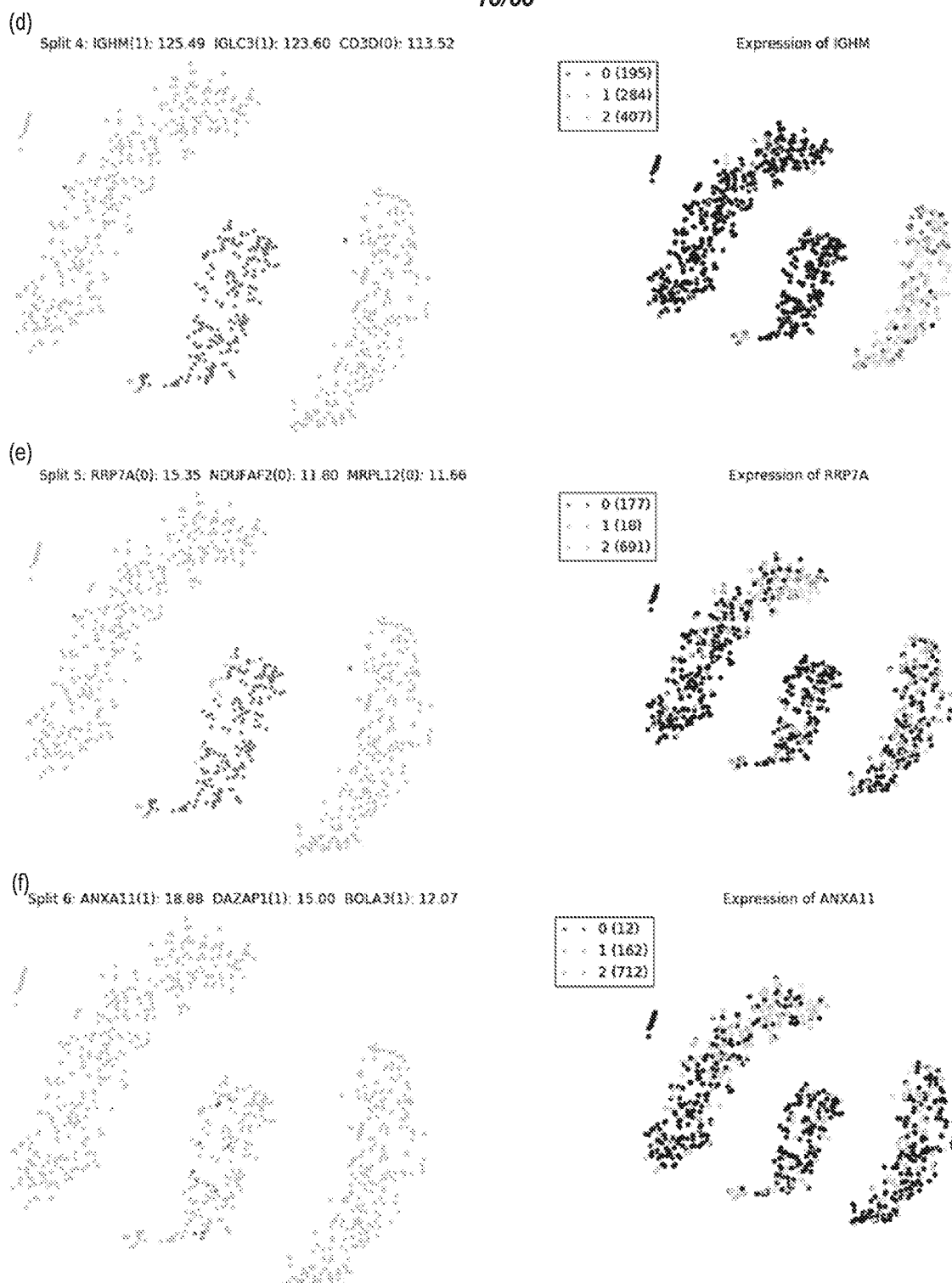


FIG. 8

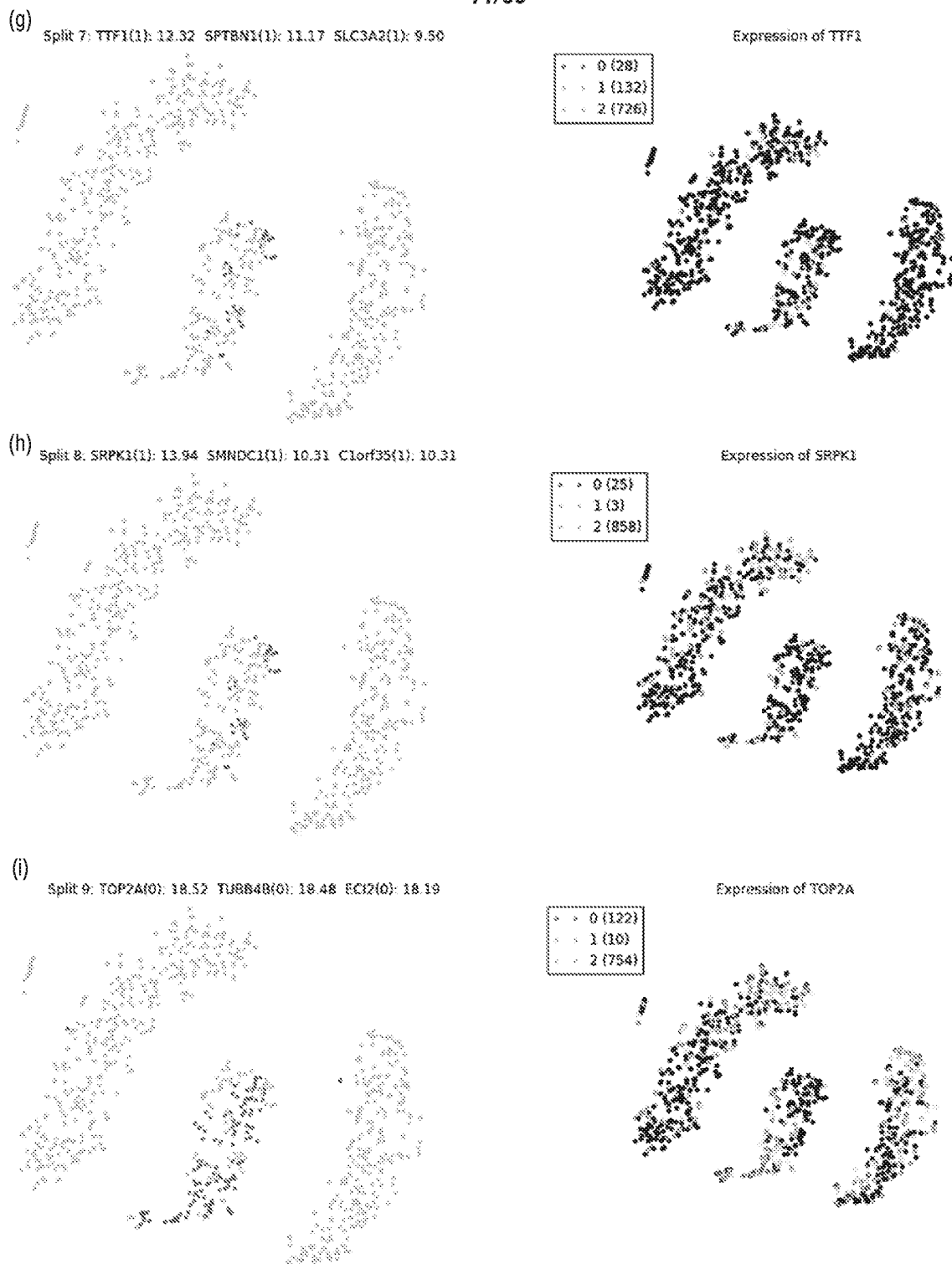
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**FIG. 9**

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**FIG. 9 (Continued)**

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**FIG. 9 (Continued)**

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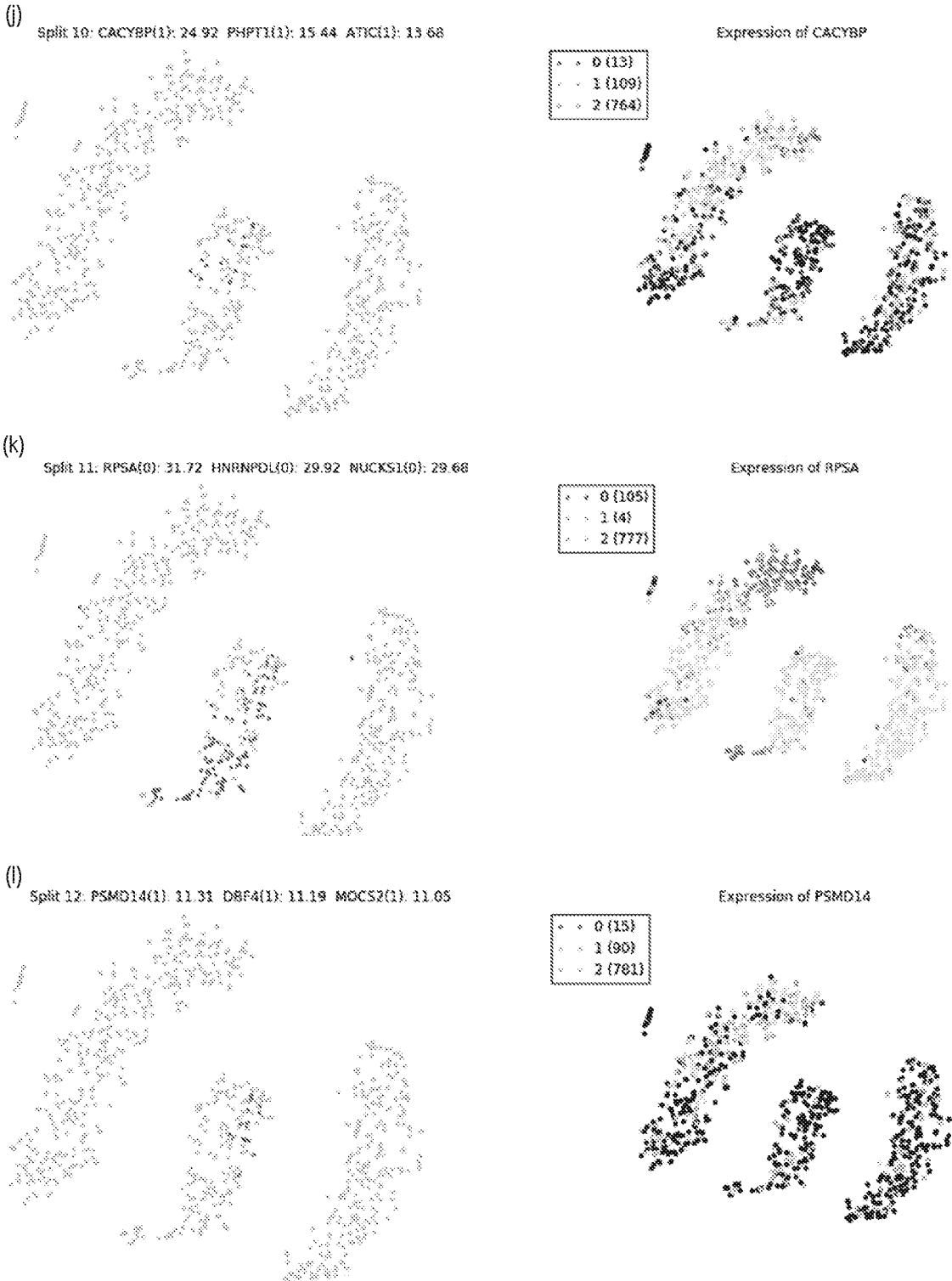
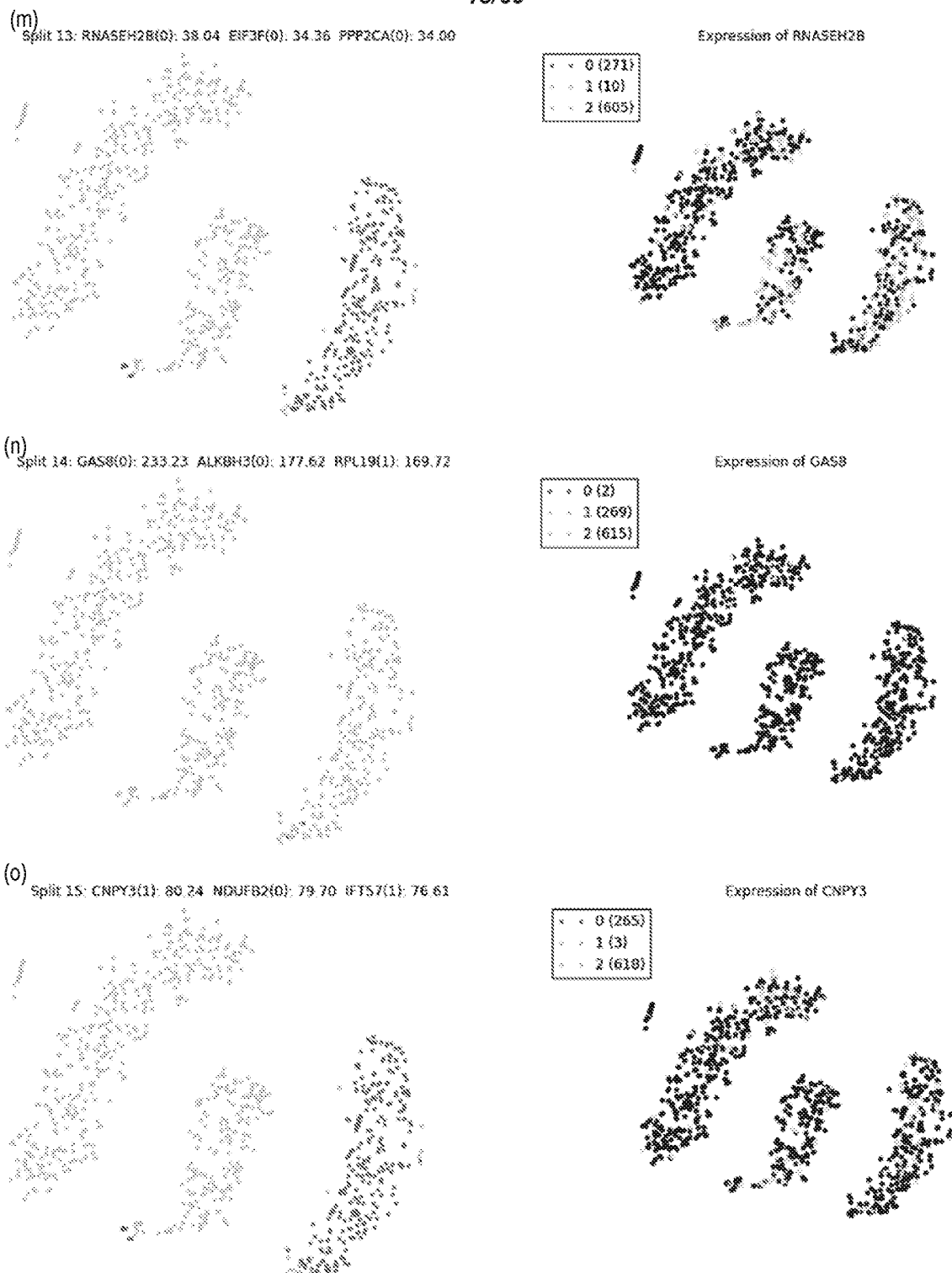
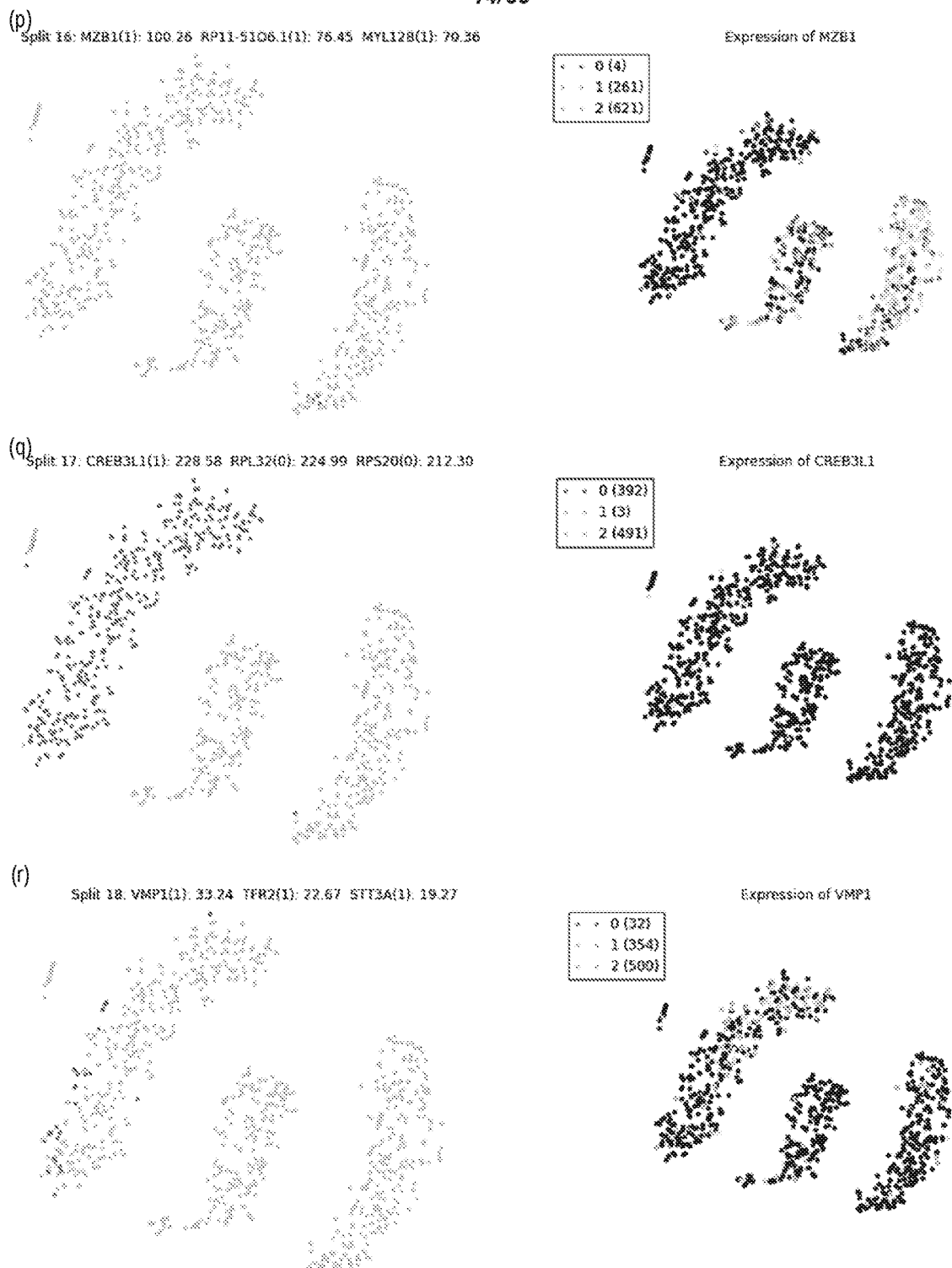


FIG. 9 (Continued)

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**FIG. 9 (Continued)**

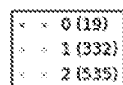
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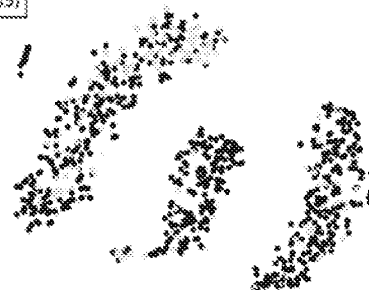
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(s)

Split 19: EIF2B1(1): 32.86 ARPC1A(1): 31.45 HMGN5(1): 30.66

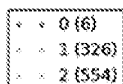


Expression of EIF2B1

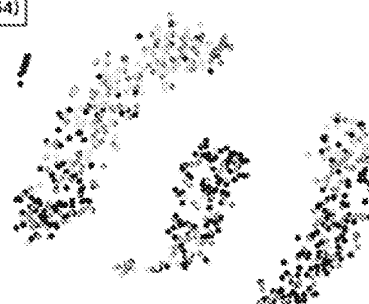


(t)

Split 20: NUDT5(1): 83.57 MSN(1): 81.87 ANAPC5(1): 80.59

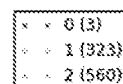


Expression of NUDT5



(u)

Split 21: TMSB4X(1): 148.25 PPIA(1): 126.76 SNRPF(1): 122.61



Expression of TMSB4X

**FIG. 9 (Continued)**

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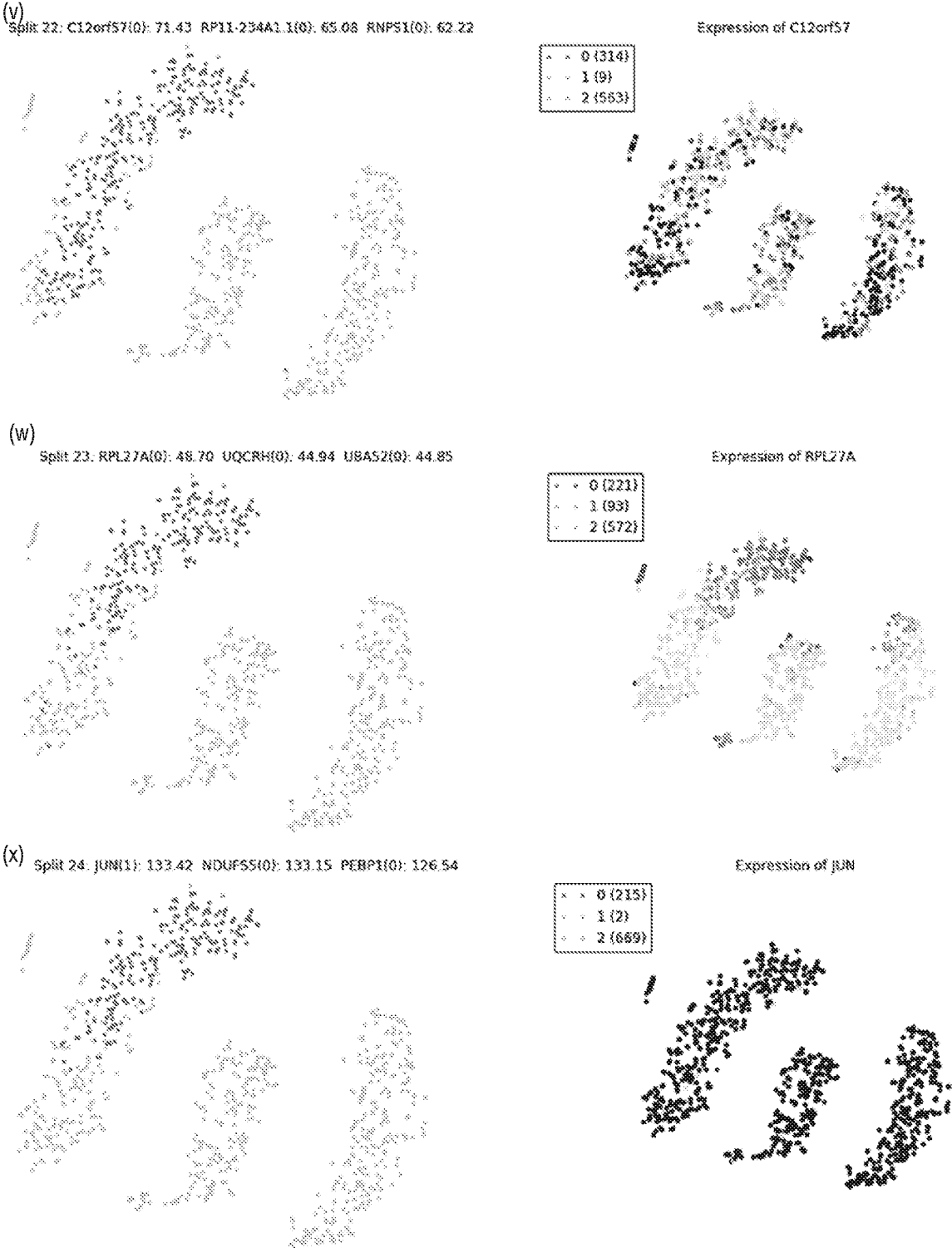


FIG. 9 (Continued)

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•	•	0 (177)
•	•	1 (18)
•	•	2 (691)

Split 5:

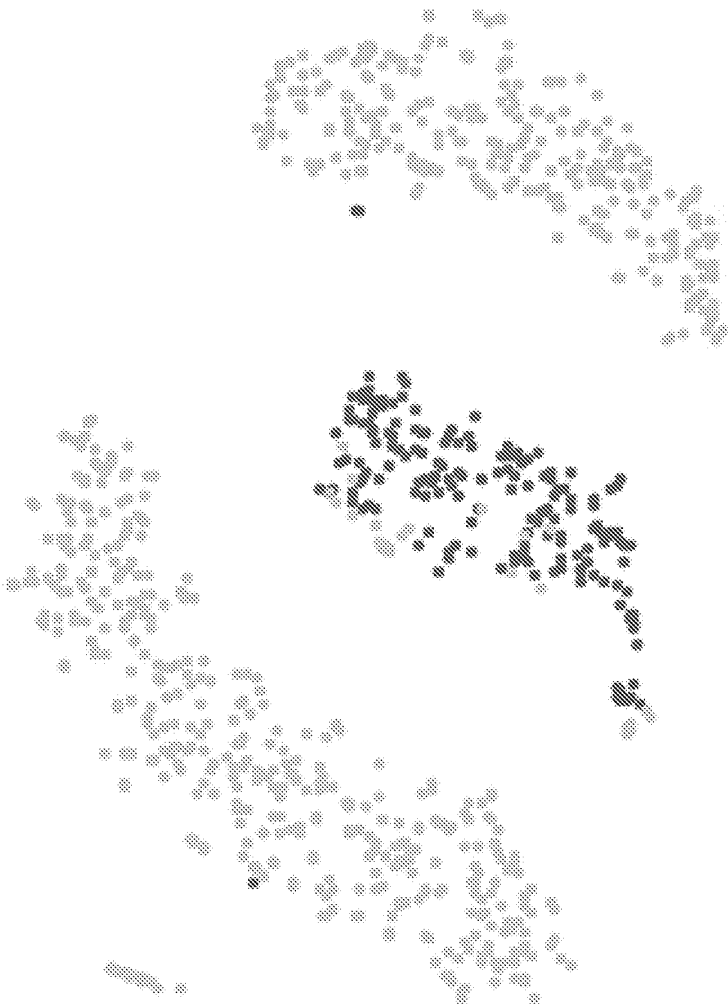


FIG. 10

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**FIG. 11**

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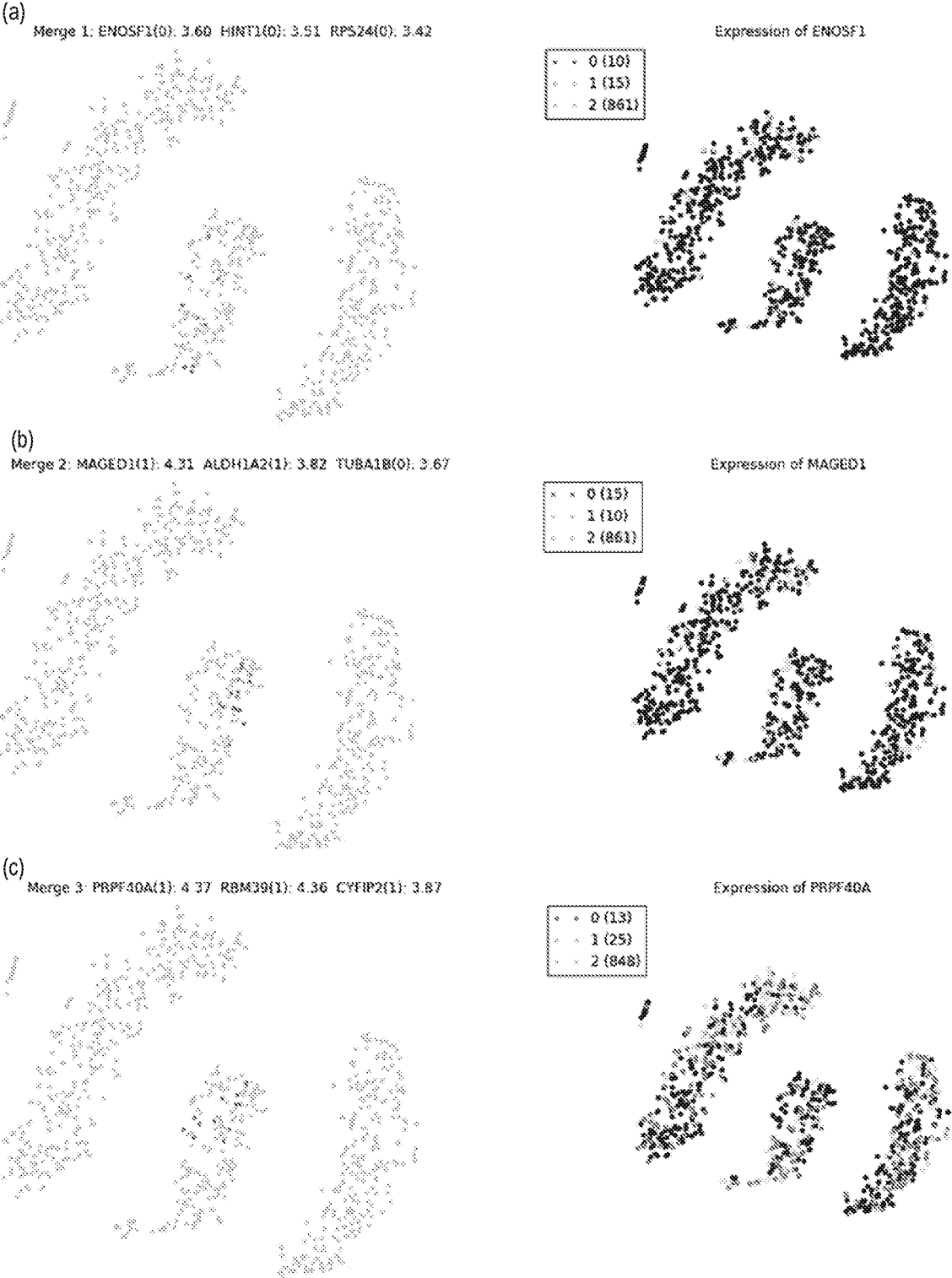


FIG. 12

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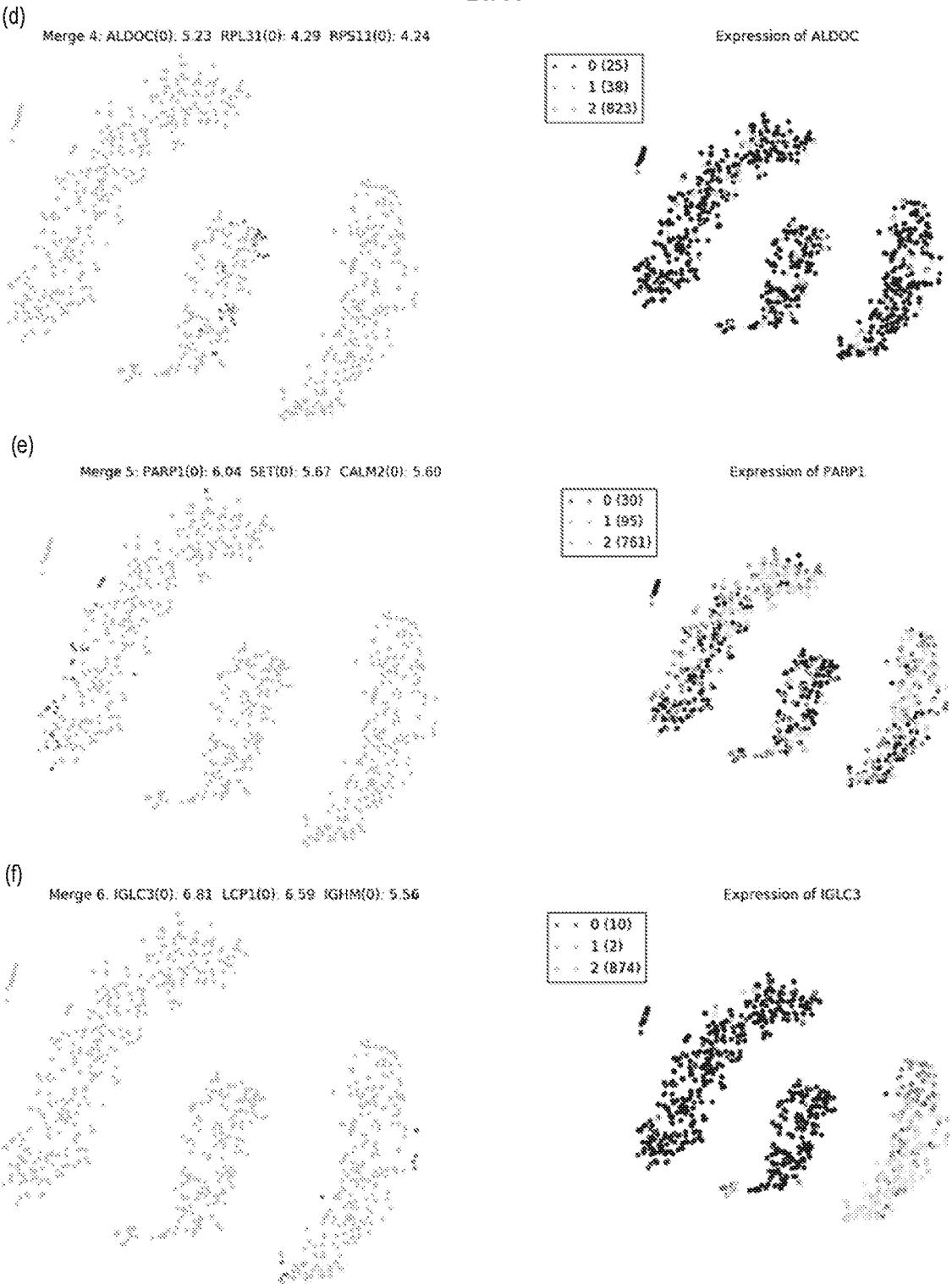


FIG. 12 (Continued)

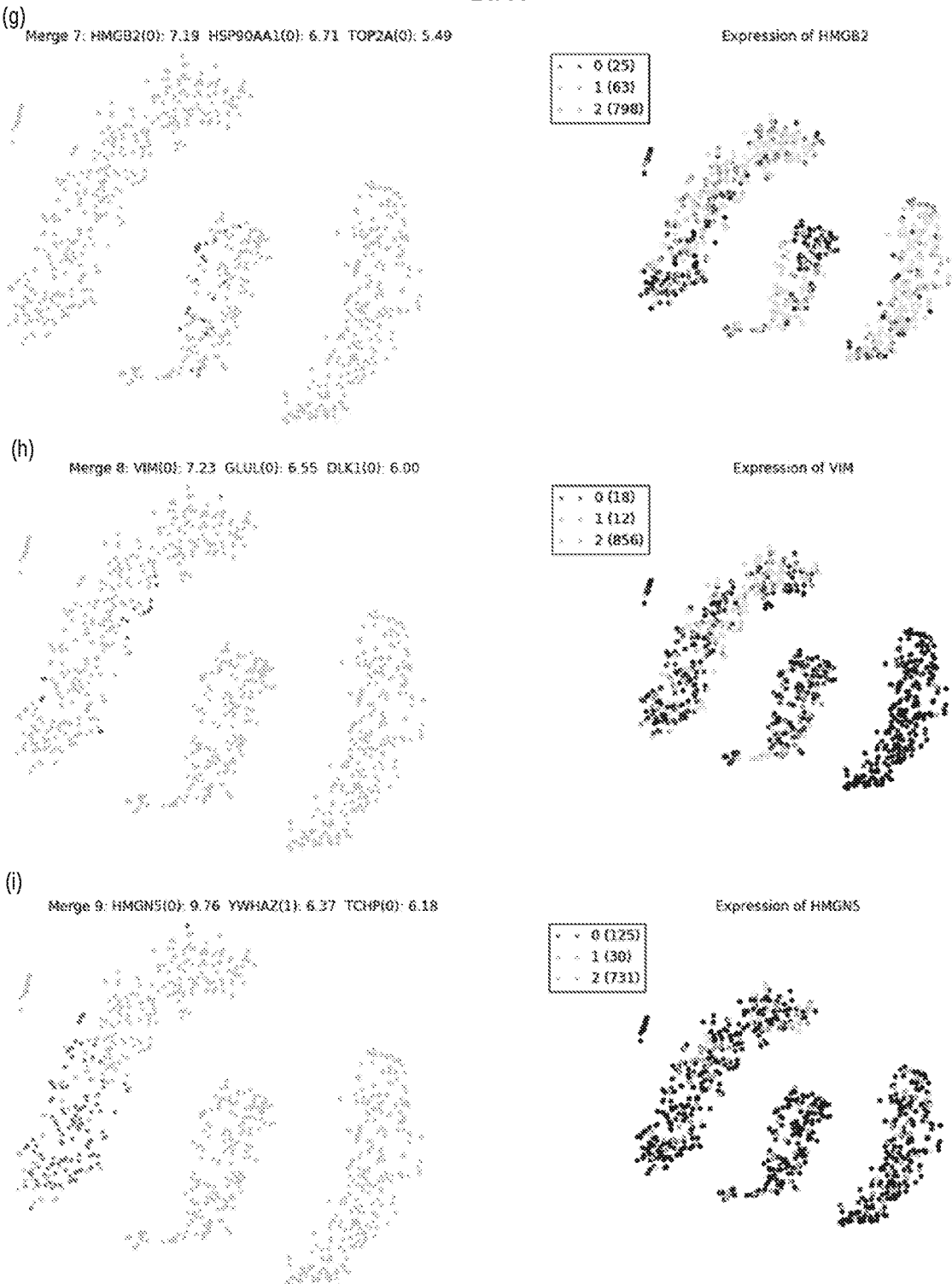


FIG. 12 (Continued)

Merge 2:



•	0 (15)
•	1 (10)
•	2 (861)

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FIG. 13

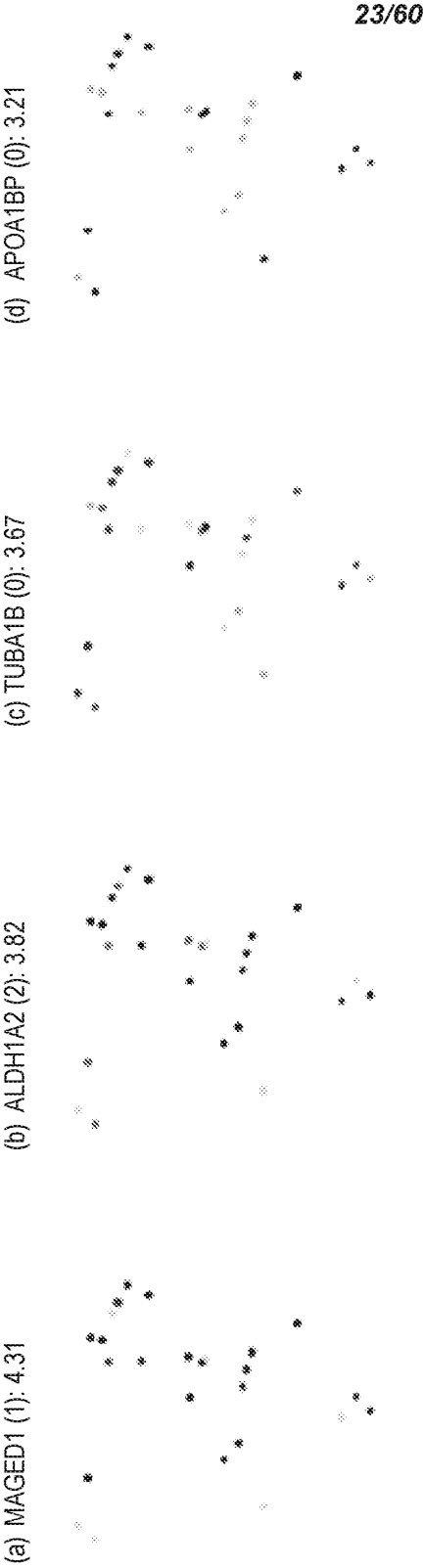


FIG. 14

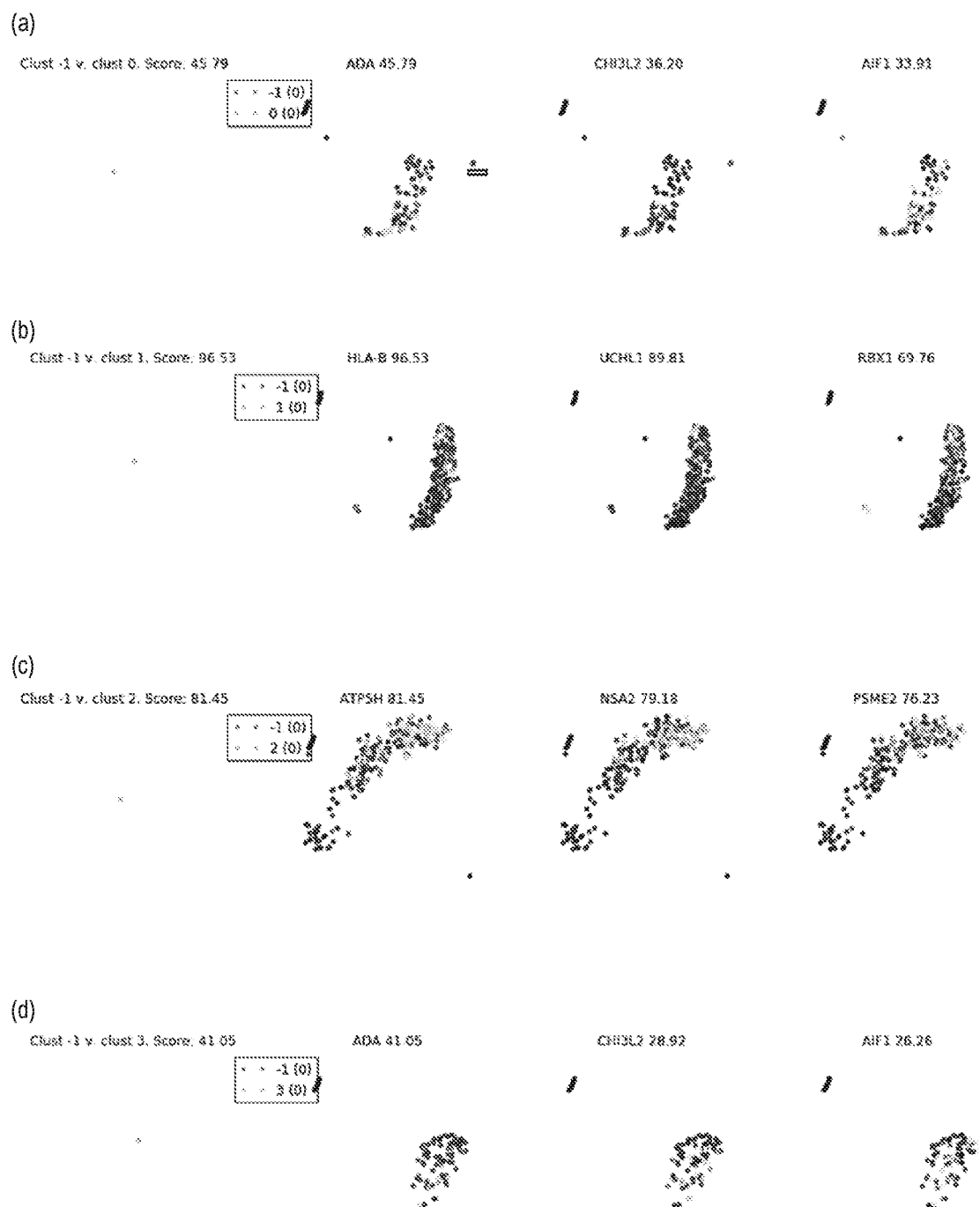
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**FIG. 15**

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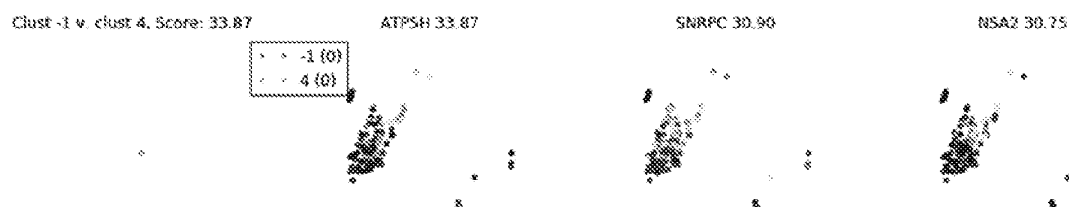
**FIG. 15 (Continued)**

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**FIG. 16**

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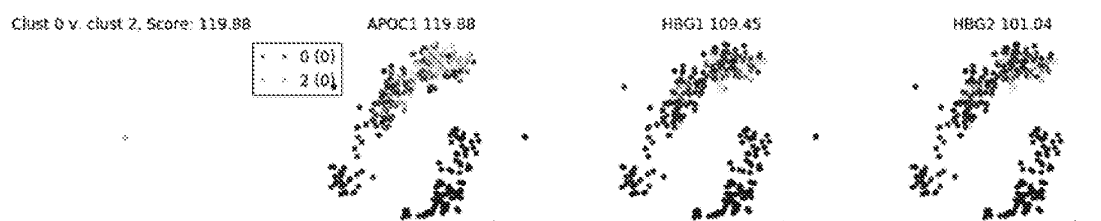
(e)



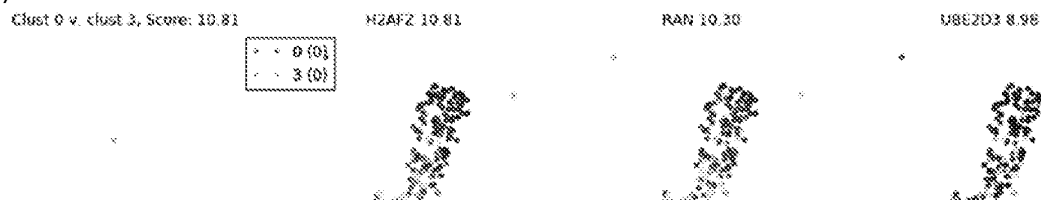
(f)



(g)



(h)

**FIG. 16 (Continued)**

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(i)

Clust 0 v. clust 4, Score: 55.14

HBG1 55.14

APOC1 54.92

TRBC2 51.82

○ 0 (0)
● 4 (0)

(j)

Clust -1 v. clust 4, Score: 33.87

ATPSH 33.87

SNRPC 30.90

NSA2 30.75

○ -1 (0)
● 4 (0)

(k)

Clust 0 v. clust 1, Score: 62.52

CD30 62.52

IGHM 53.49

CH3L2 48.75

○ 0 (0)
● 1 (0)

(l)

Clust 1 v. clust 4, Score: 135.92

IGJ 135.92

IGHM 119.15

IGLC3 117.51

○ 1 (0)
● 4 (0)

FIG. 16 (Continued)

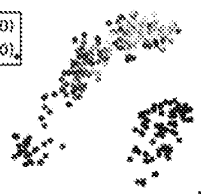
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(m)

Clust 2 v. clust 3, Score: 112.35

• • 2 (0)
• • 3 (0)

APOC1 112.35



HBG1 108.94



GTSF1 97.86



(n)

Clust 2 v. clust 4, Score: 38.82

• • 2 (0)
• • 4 (0)

RPS19 38.82



RPL27A 38.04



RPS20 37.55



(o)

Clust 3 v. clust 4, Score: 55.42

• • 3 (0)
• • 4 (0)

HBG1 55.42



APOC1 52.32



FTL 48.71

**FIG. 16 (Continued)**

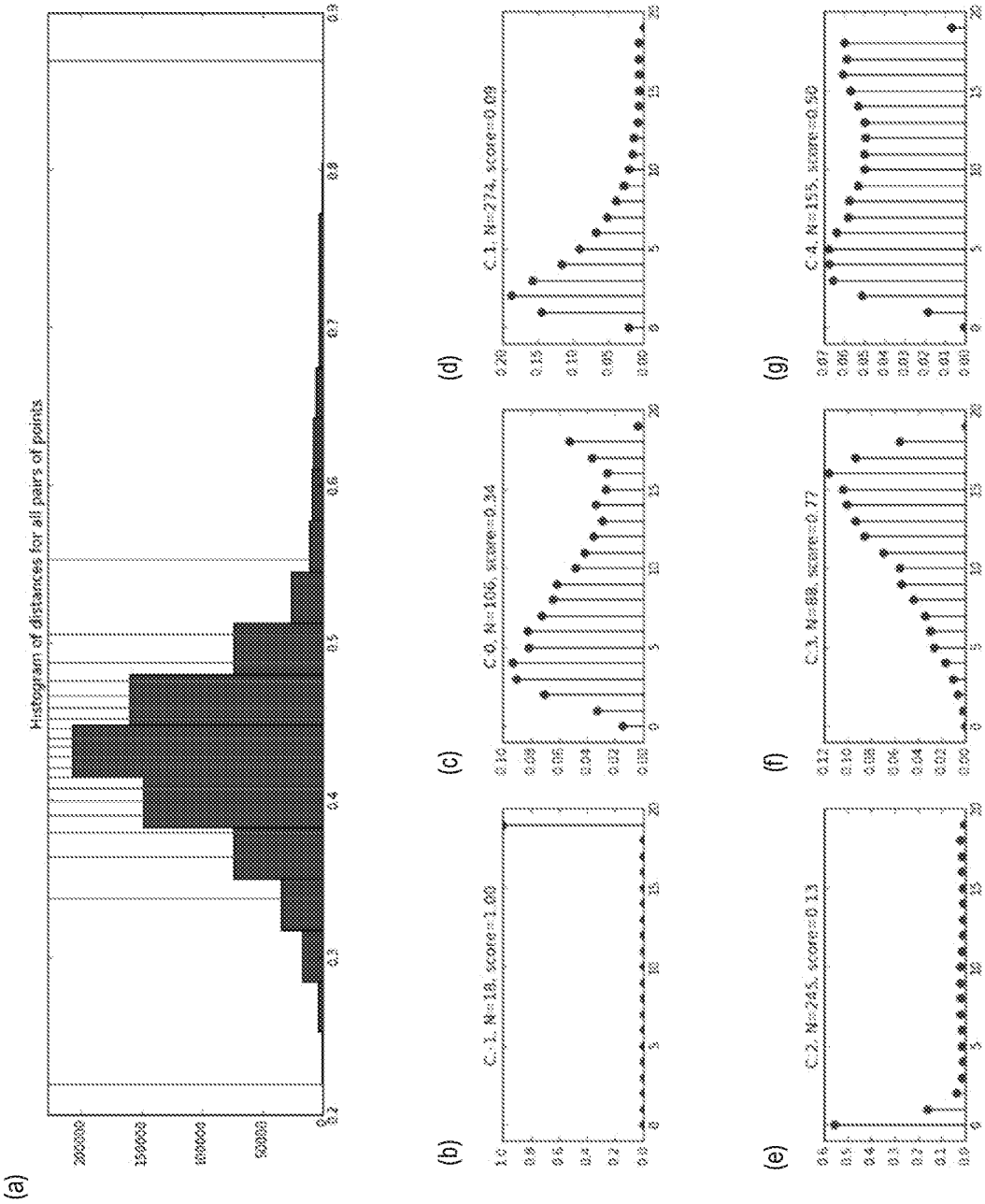


FIG. 17

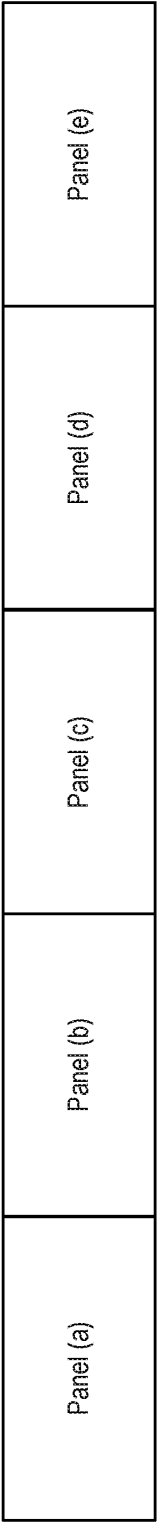


FIG. 18

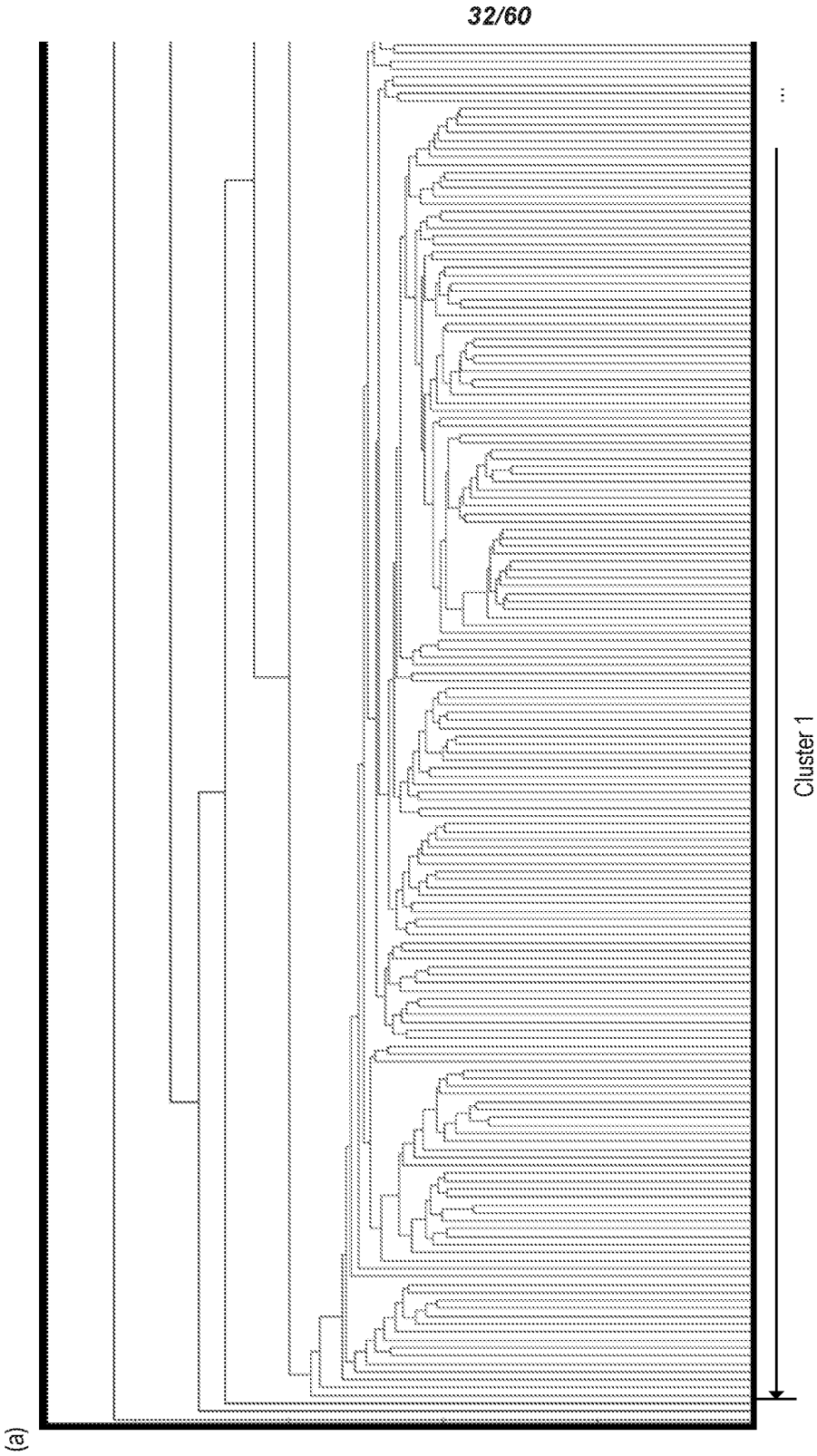


FIG. 18 (Continued)

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FIG. 18 (Continued)

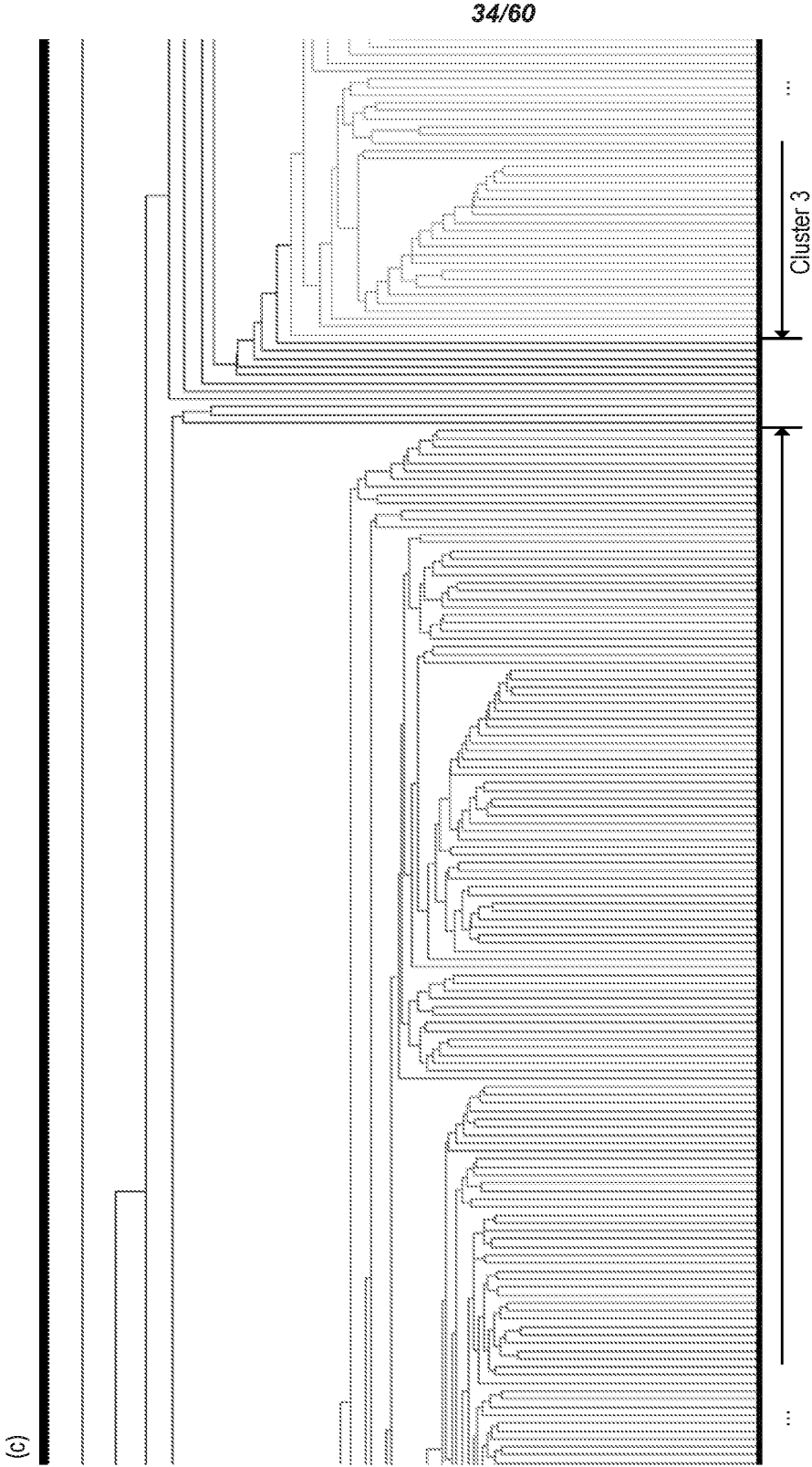


FIG. 18 (Continued)



FIG. 18 (Continued)

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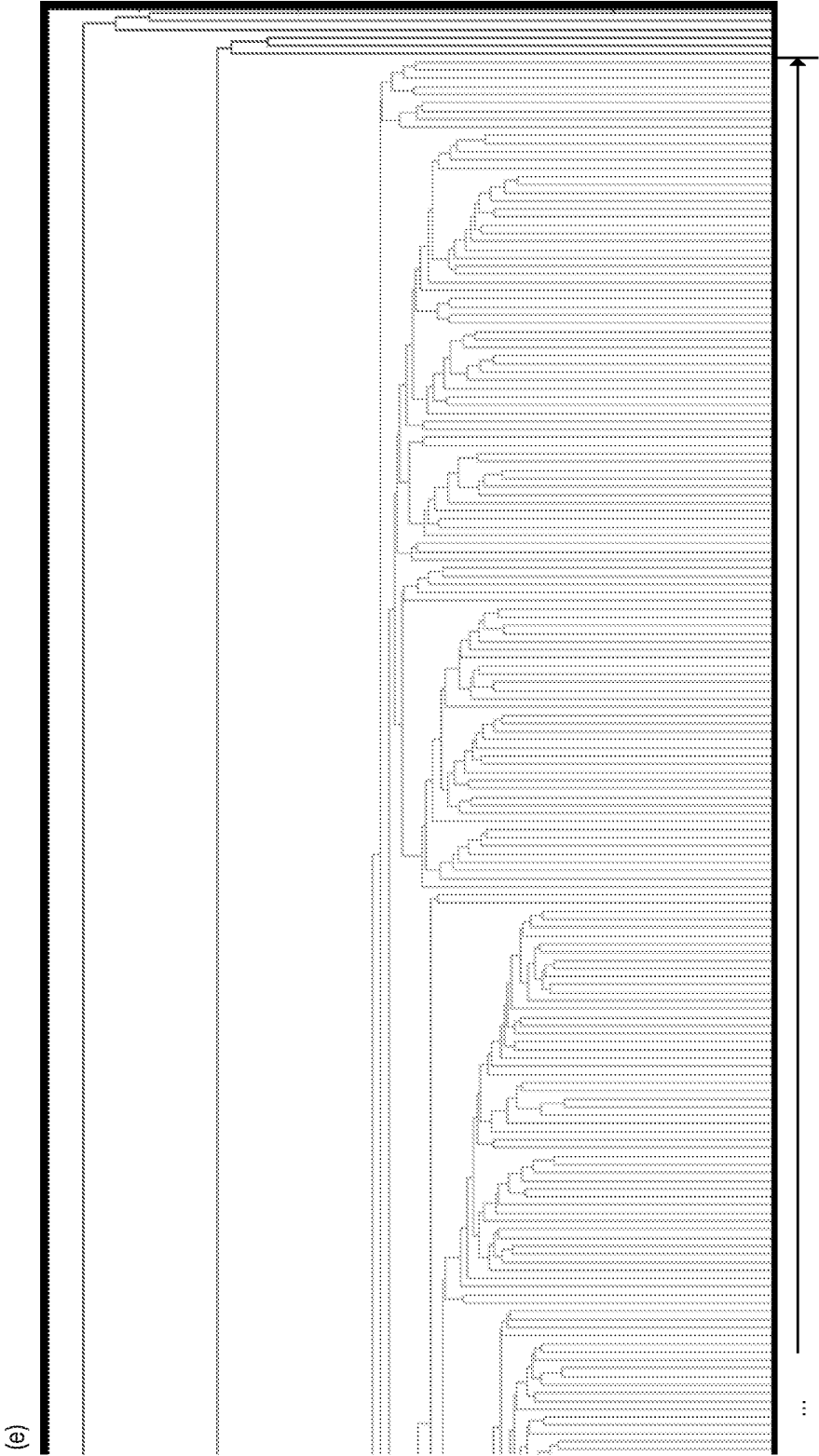


FIG. 18 (Continued)

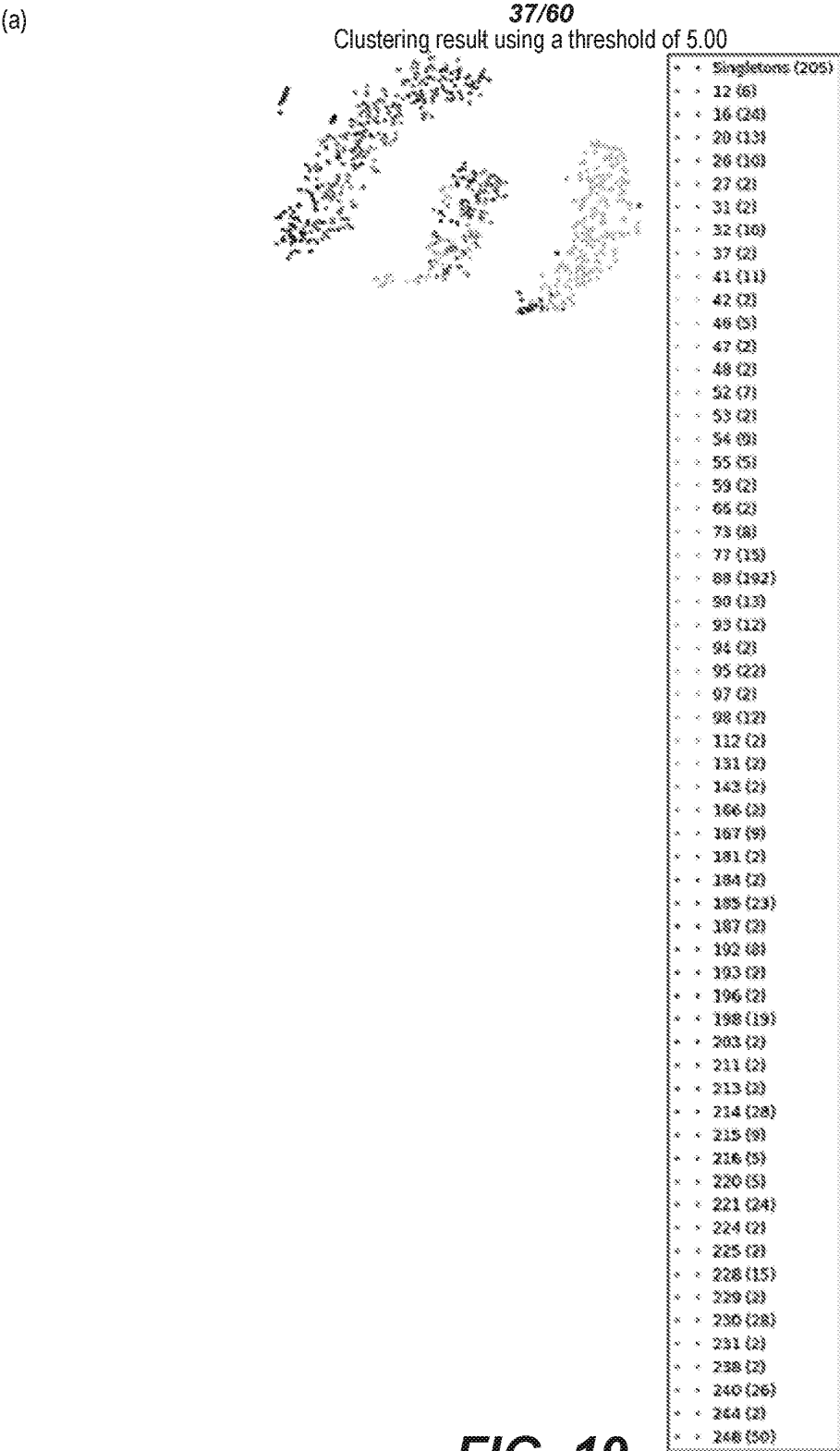
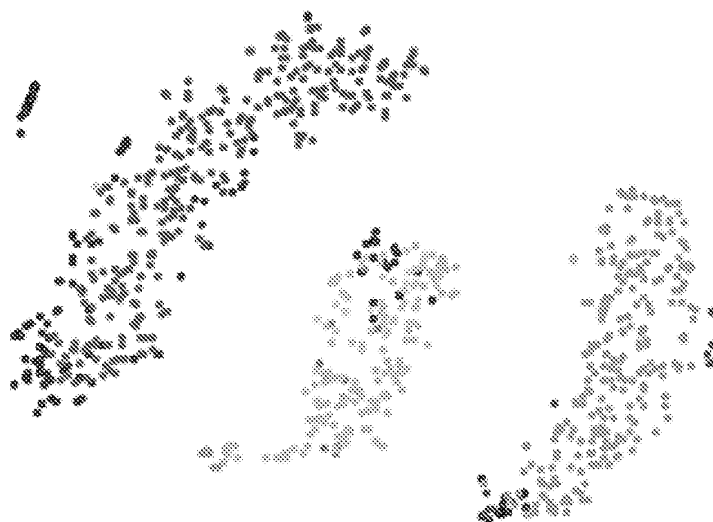


FIG. 19

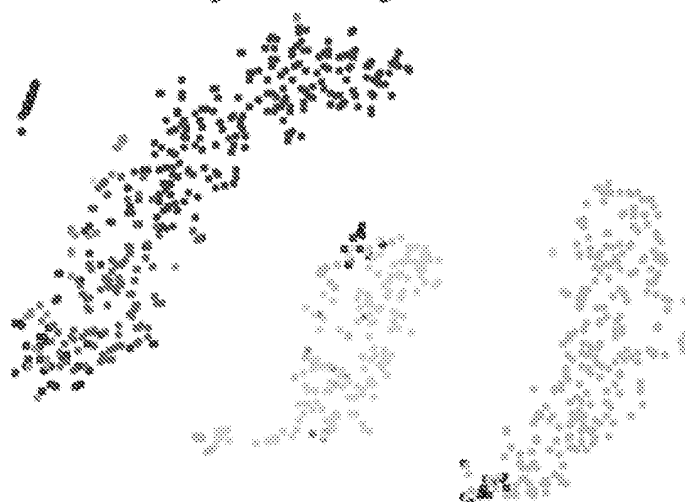
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(b) Clustering result using a threshold of 10.000



• •	Singletons (80)
• •	8 (10)
• •	12 (24)
• •	16 (13)
• •	17 (15)
• •	18 (90)
• •	23 (10)
• •	27 (15)
• •	38 (261)
• •	42 (10)
• •	57 (30)
• •	62 (18)
• •	76 (215)
• •	77 (2)
• •	78 (93)

(c) Clustering result using a threshold of 15.000

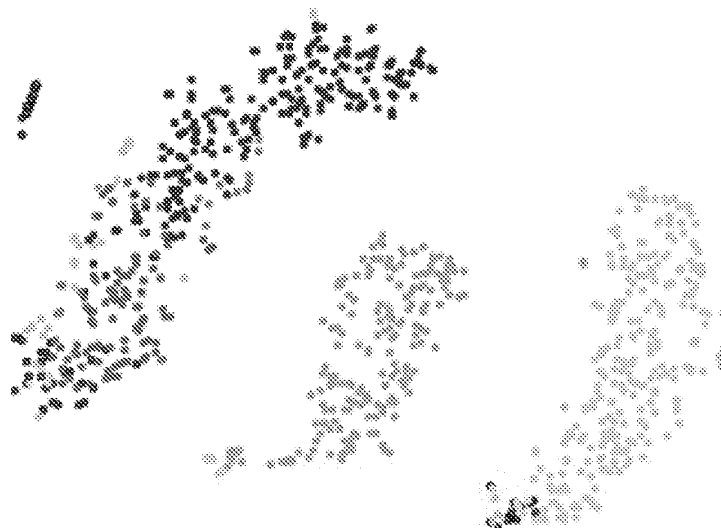


• •	Singletons (72)
• •	8 (10)
• •	11 (160)
• •	15 (15)
• •	26 (261)
• •	30 (10)
• •	45 (30)
• •	50 (18)
• •	64 (215)
• •	65 (2)
• •	66 (93)

FIG. 19 (Continued)

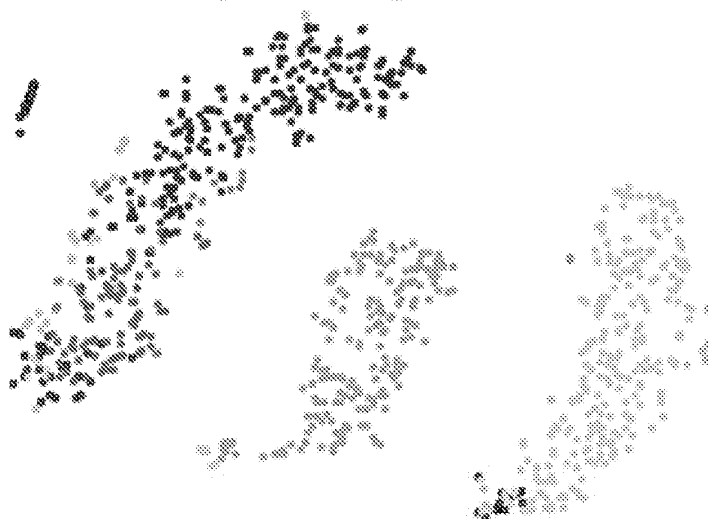
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(d) Clustering result using a threshold of 20.000



•	•	Singletons (62)
•	•	3 (195)
•	•	14 (261)
•	•	18 (10)
•	•	33 (30)
•	•	38 (18)
•	•	52 (215)
•	•	53 (2)
•	•	54 (93)

(e) Clustering result using a threshold of 25.000

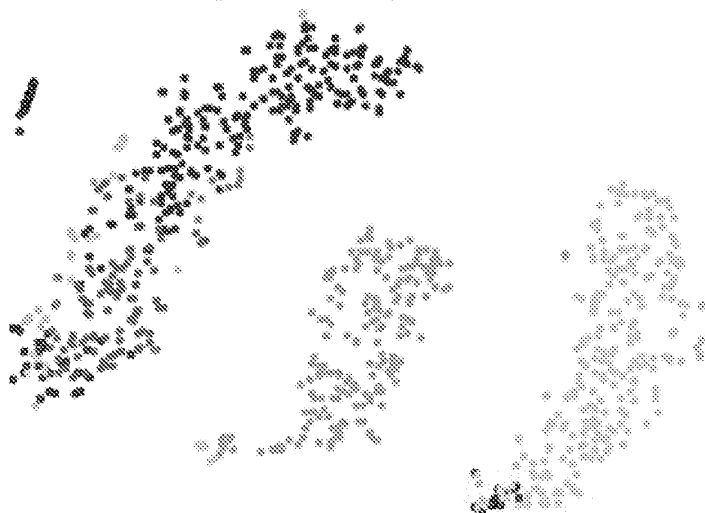


•	•	Singletons (62)
•	•	3 (195)
•	•	14 (261)
•	•	18 (10)
•	•	33 (30)
•	•	38 (18)
•	•	52 (215)
•	•	53 (2)
•	•	54 (93)

FIG. 19 (Continued)

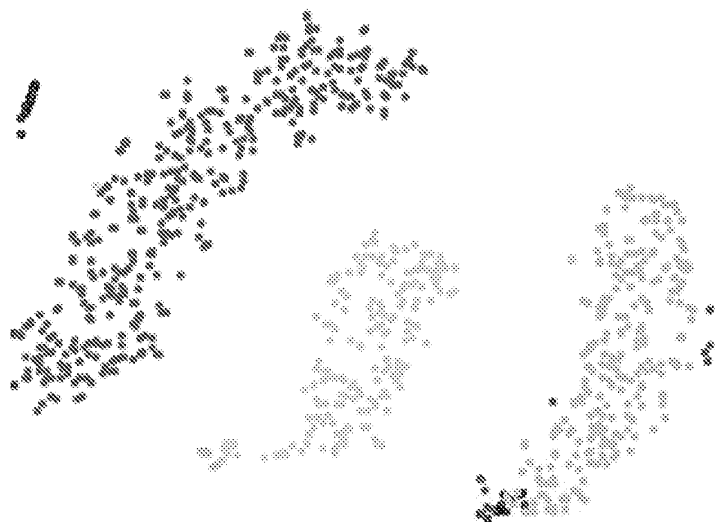
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(f) Clustering result using a threshold of 30.000



• •	Singletons (62)
• •	3 (195)
• •	14 (261)
• •	18 (10)
• •	33 (30)
• •	38 (18)
• •	52 (215)
• •	53 (2)
• •	54 (93)

(g) Clustering result using a threshold of 35.000

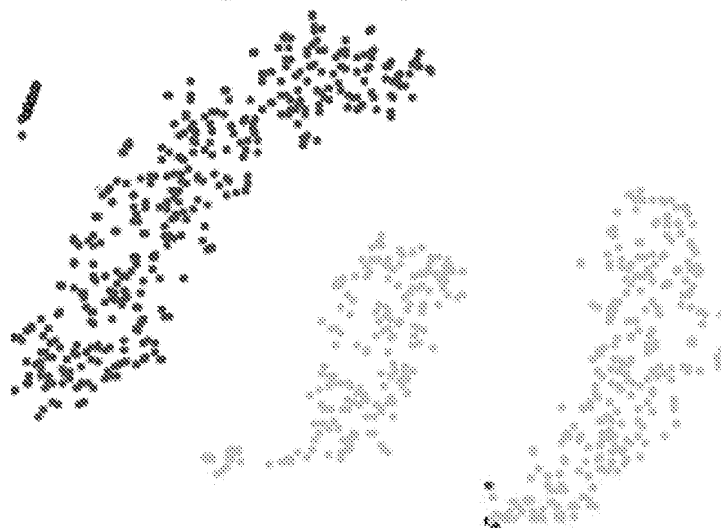


• •	Singletons (34)
• •	3 (195)
• •	14 (261)
• •	18 (10)
• •	31 (386)

FIG. 19 (Continued)

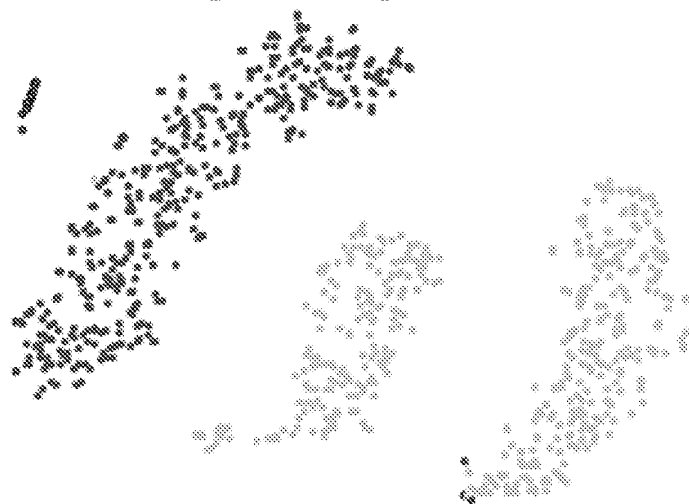
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(h) Clustering result using a threshold of 40.000



• •	Singletons (24)
• •	3 (195)
• •	7 (281)
• •	20 (386)

(i) Clustering result using a threshold of 45.000

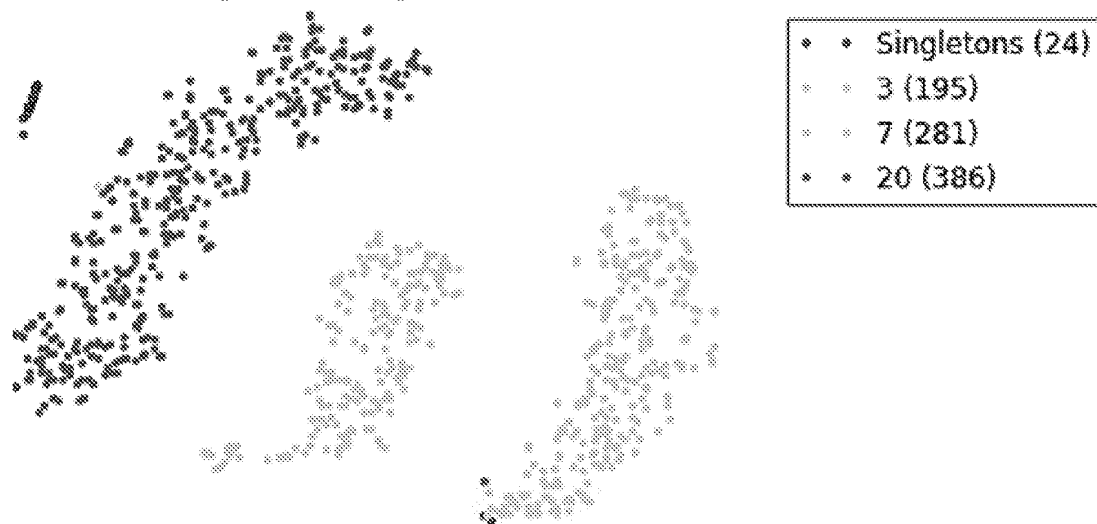


• •	Singletons (24)
• •	3 (195)
• •	7 (281)
• •	20 (386)

FIG. 19 (Continued)

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(j) Clustering result using a threshold of 50.000



(k) Clustering result using a threshold of 55.000

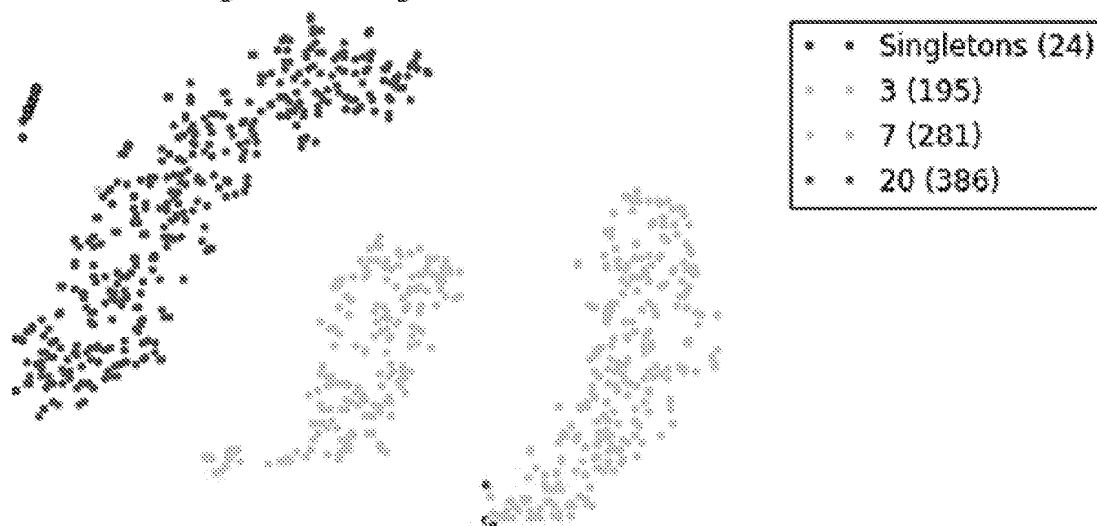
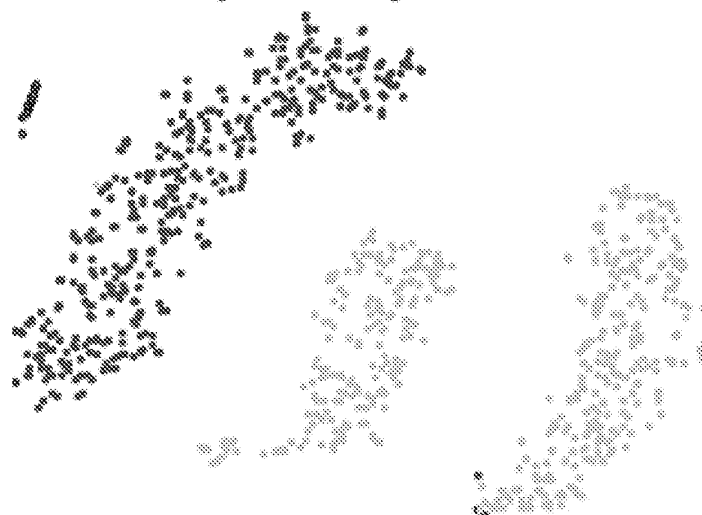


FIG. 19 (Continued)

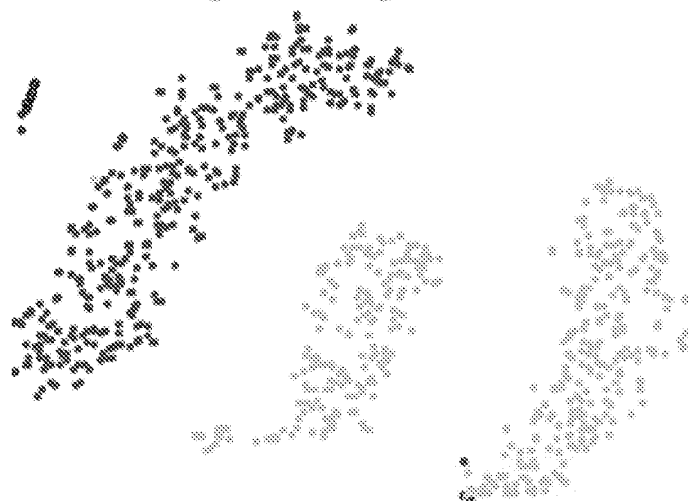
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(l) Clustering result using a threshold of 60.000



• •	Singletons (24)
• •	3 (195)
• •	7 (281)
• •	20 (386)

(m) Clustering result using a threshold of 65.000

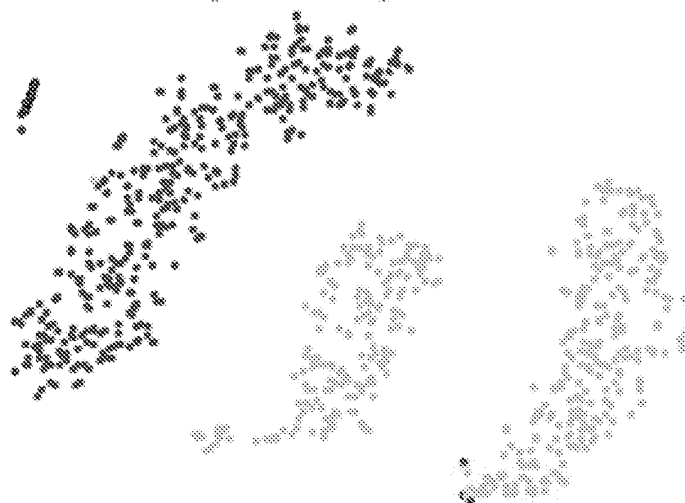


• •	Singletons (24)
• •	3 (195)
• •	7 (281)
• •	20 (386)

FIG. 19 (Continued)

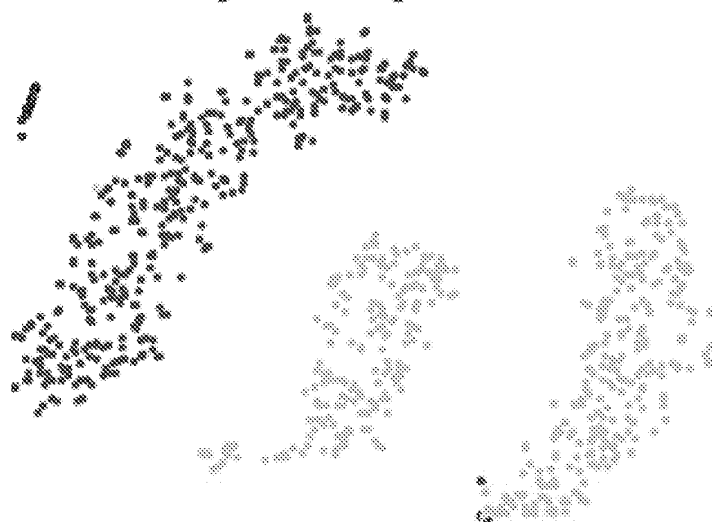
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(n) Clustering result using a threshold of 70.000



• •	Singletons (24)
• •	3 (195)
• •	7 (281)
• •	20 (386)

(o) Clustering result using a threshold of 75.000

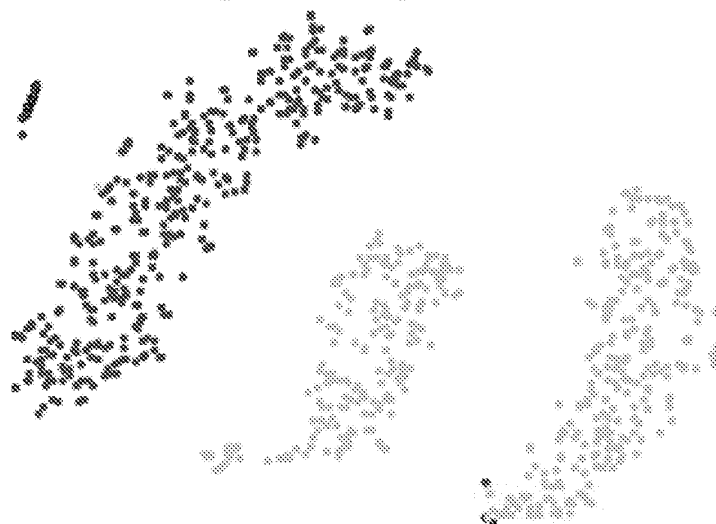


• •	Singletons (24)
• •	3 (195)
• •	7 (281)
• •	20 (386)

FIG. 19 (Continued)

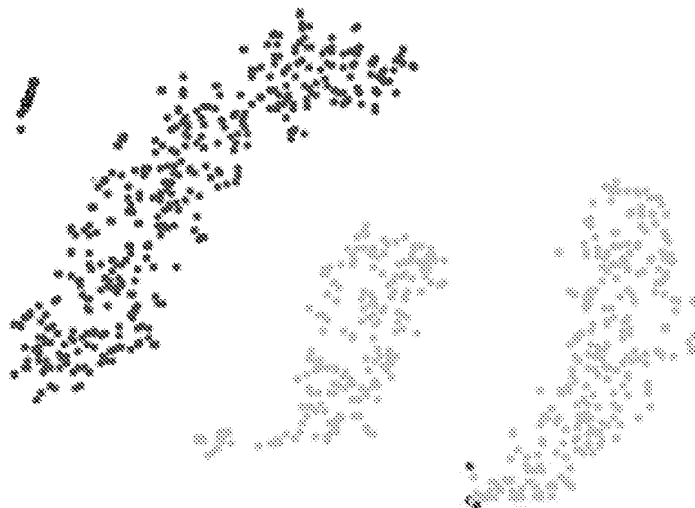
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(p) Clustering result using a threshold of 80.000



• •	Singletons (24)
• •	3 (195)
• •	7 (281)
• •	20 (386)

(q) Clustering result using a threshold of 85.000



• •	Singletons (24)
• •	3 (195)
• •	7 (281)
• •	20 (386)

FIG. 19 (Continued)

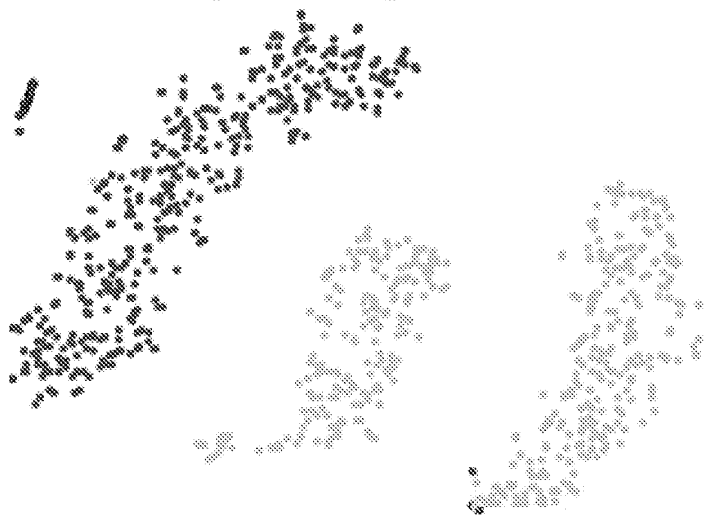
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(r) Clustering result using a threshold of 90.000



• •	Singletons (24)
• •	3 (195)
• •	7 (281)
• •	20 (386)

(s) Clustering result using a threshold of 95.000



• •	Singletons (24)
• •	3 (195)
• •	7 (281)
• •	20 (386)

FIG. 19 (Continued)

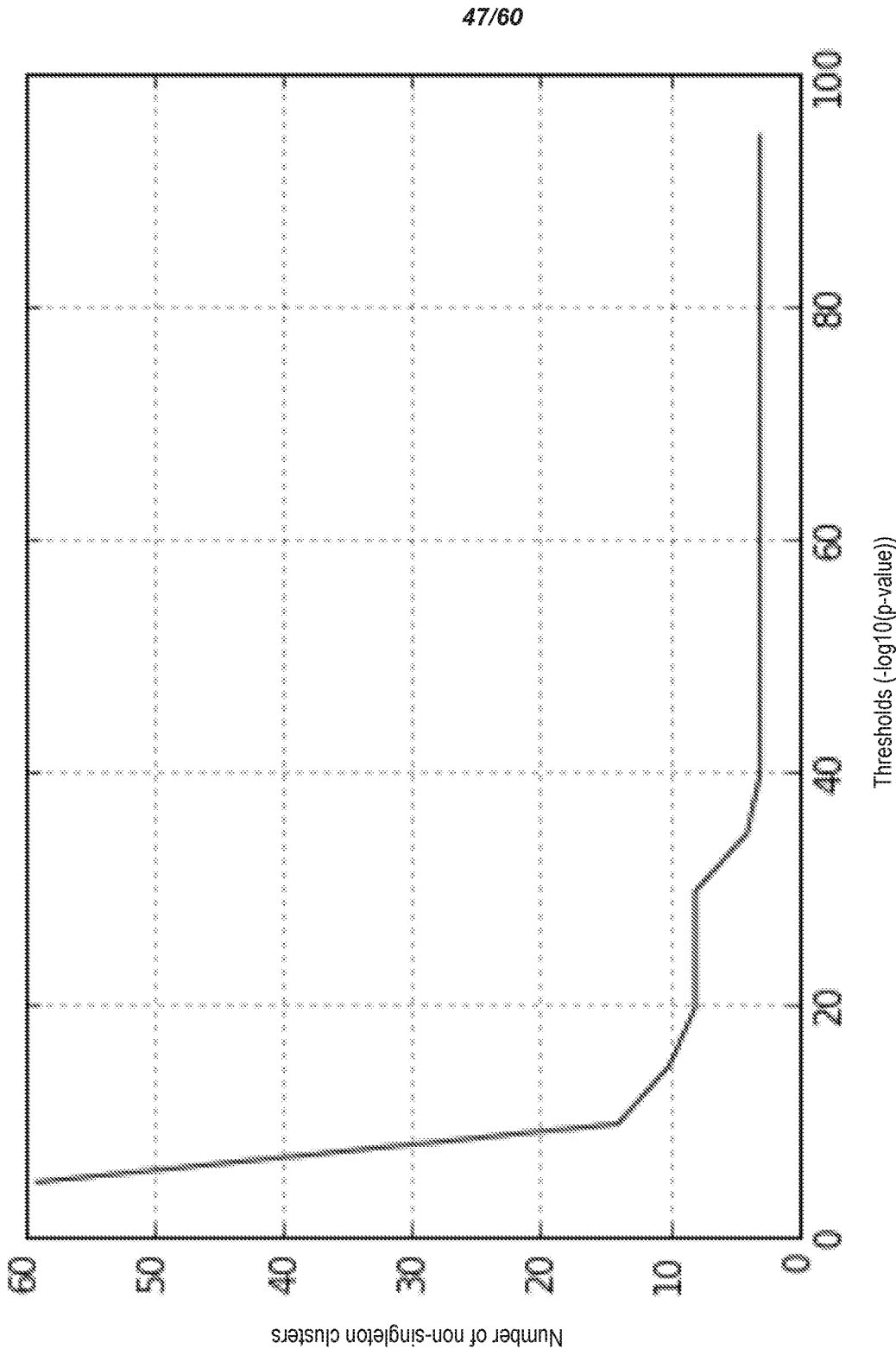


FIG. 20

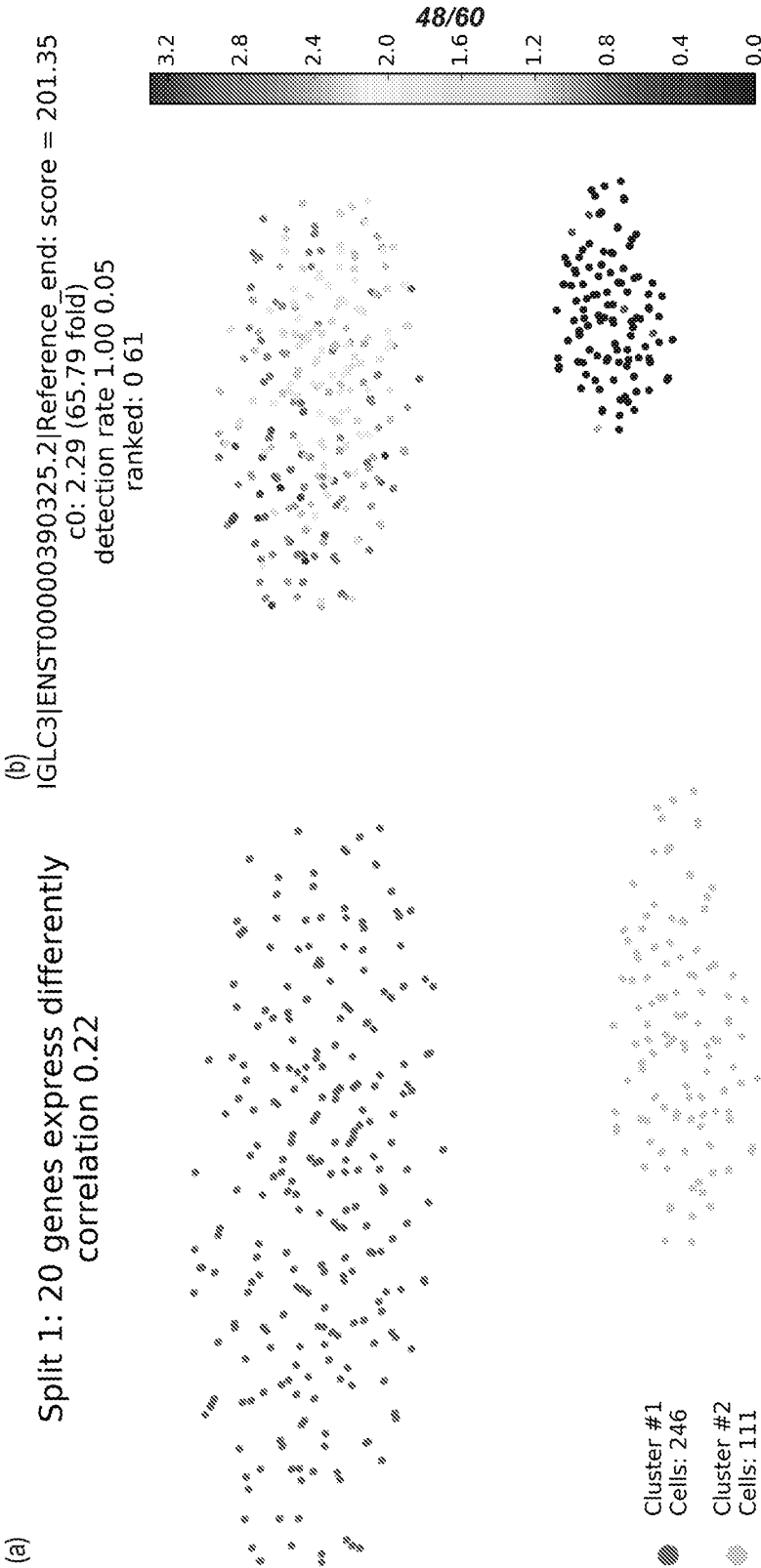


FIG. 21

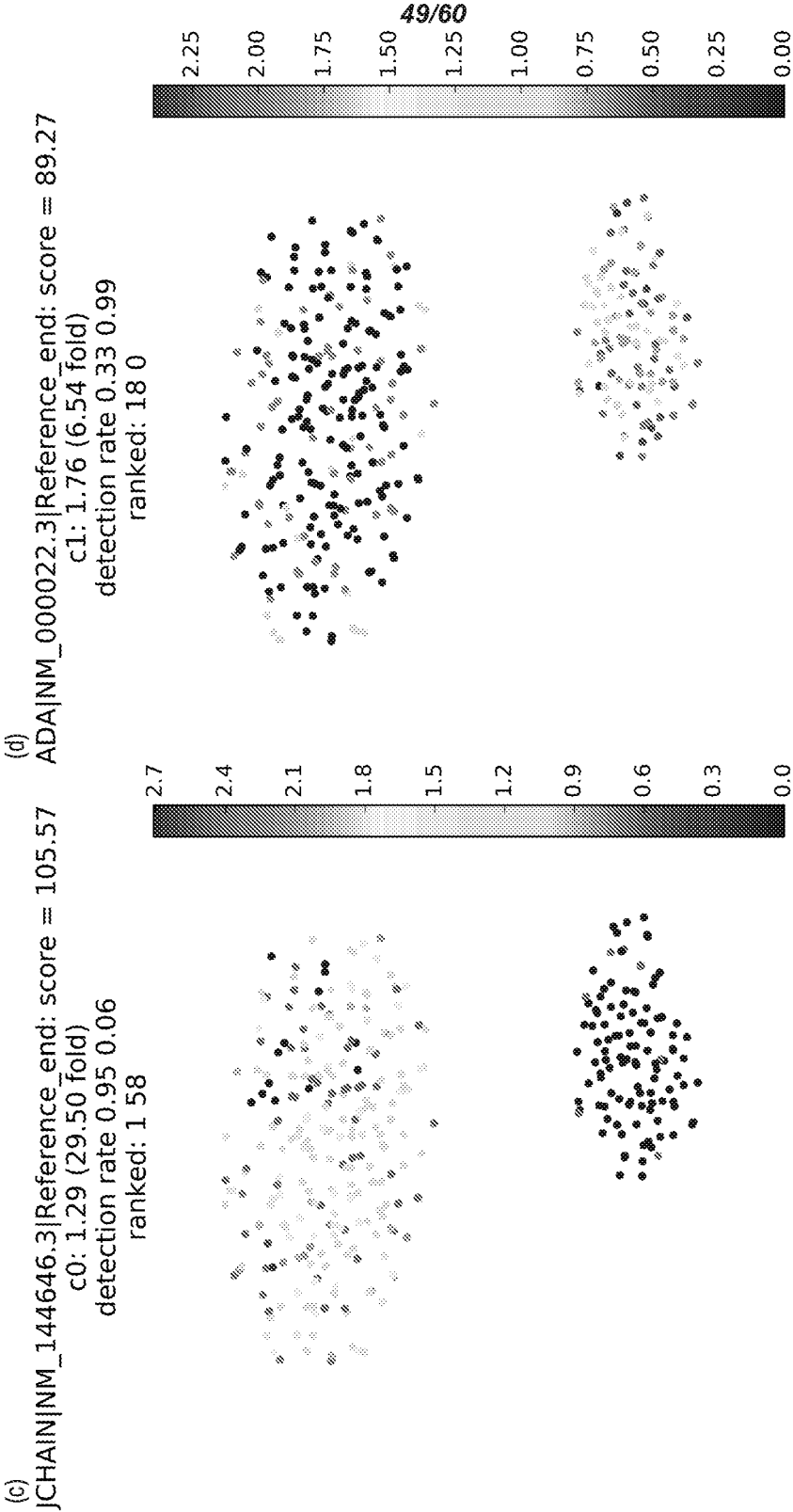


FIG. 21 (Continued)

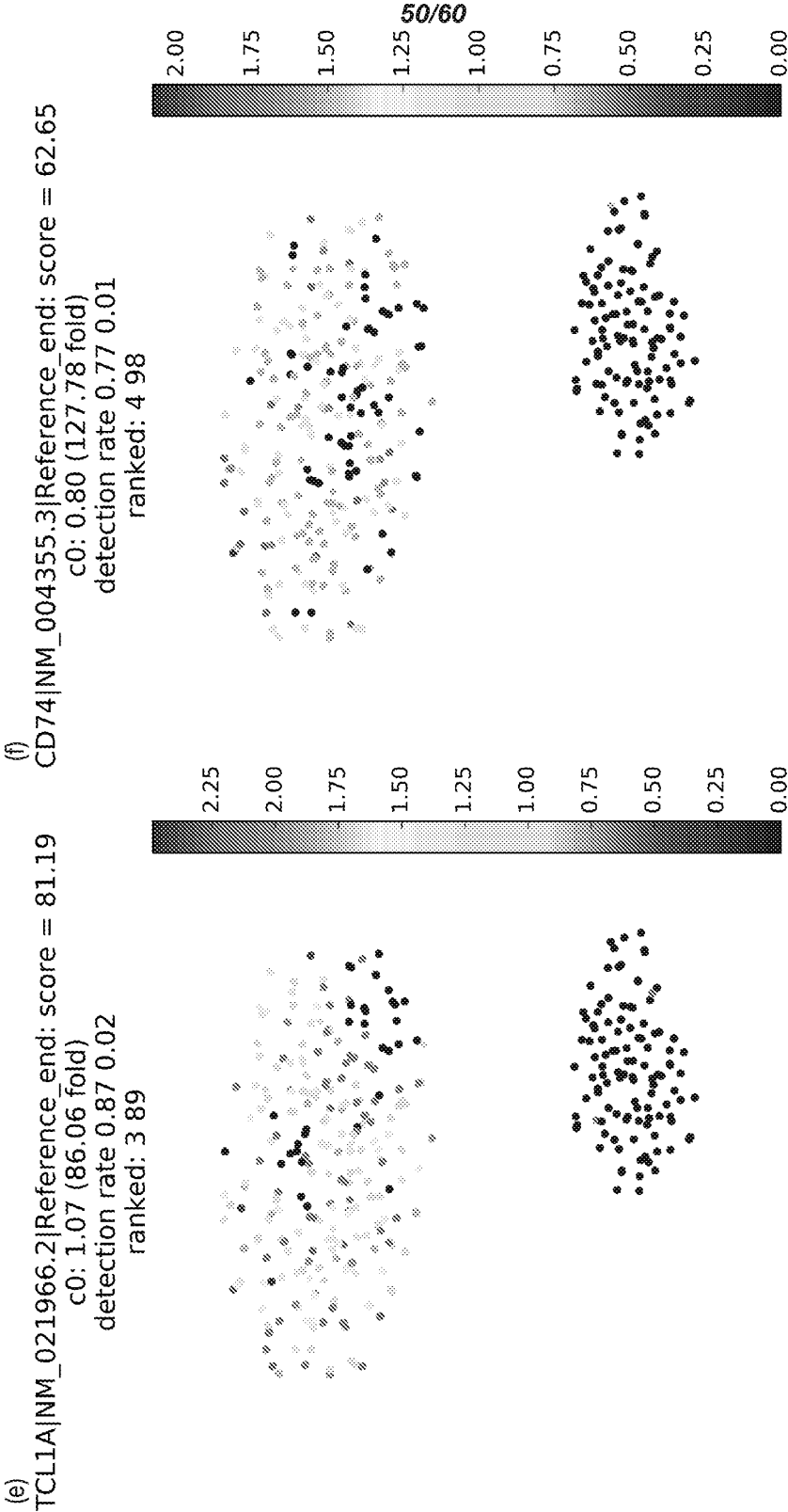


FIG. 21 (Continued)

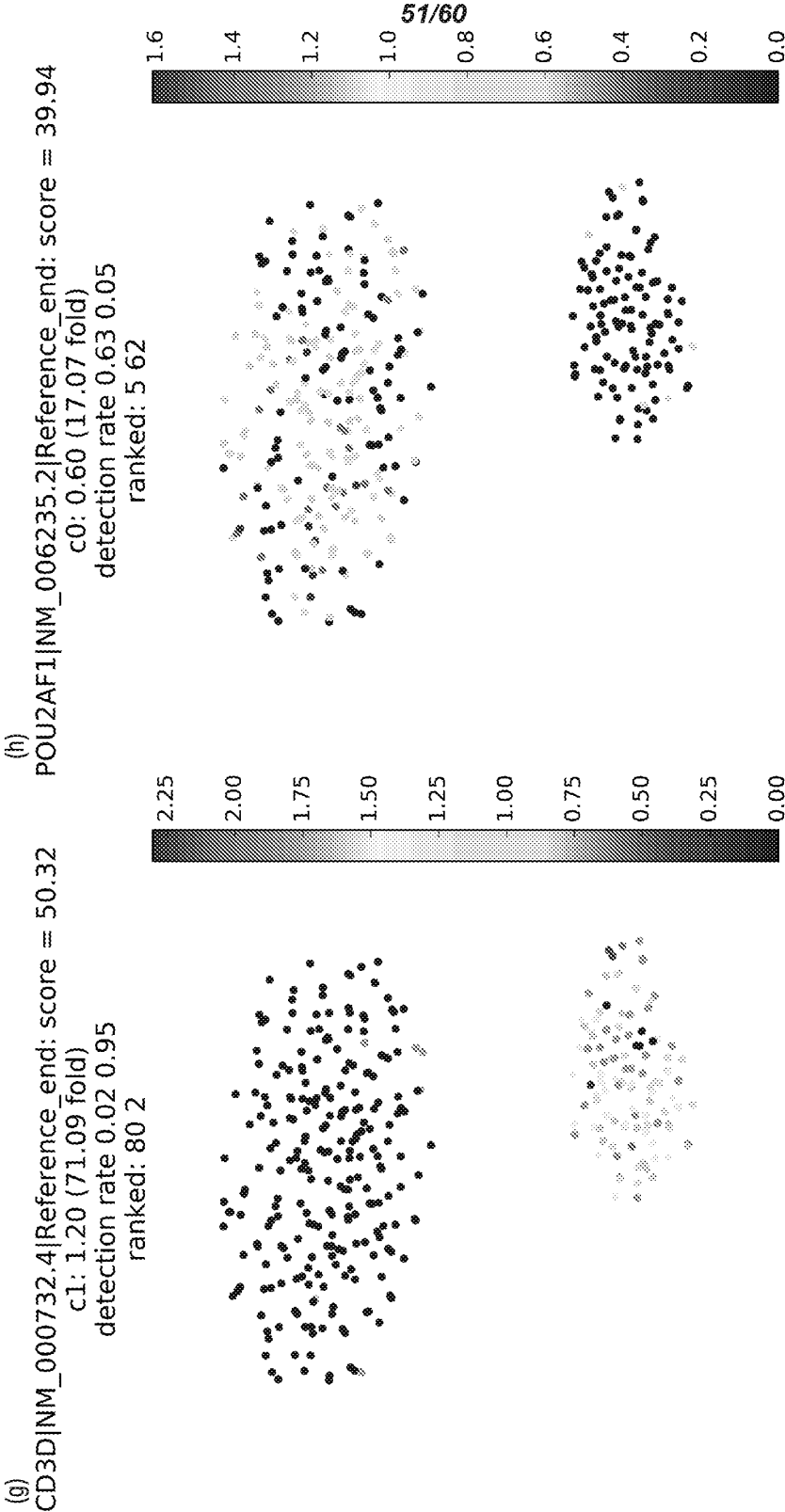


FIG. 21 (Continued)

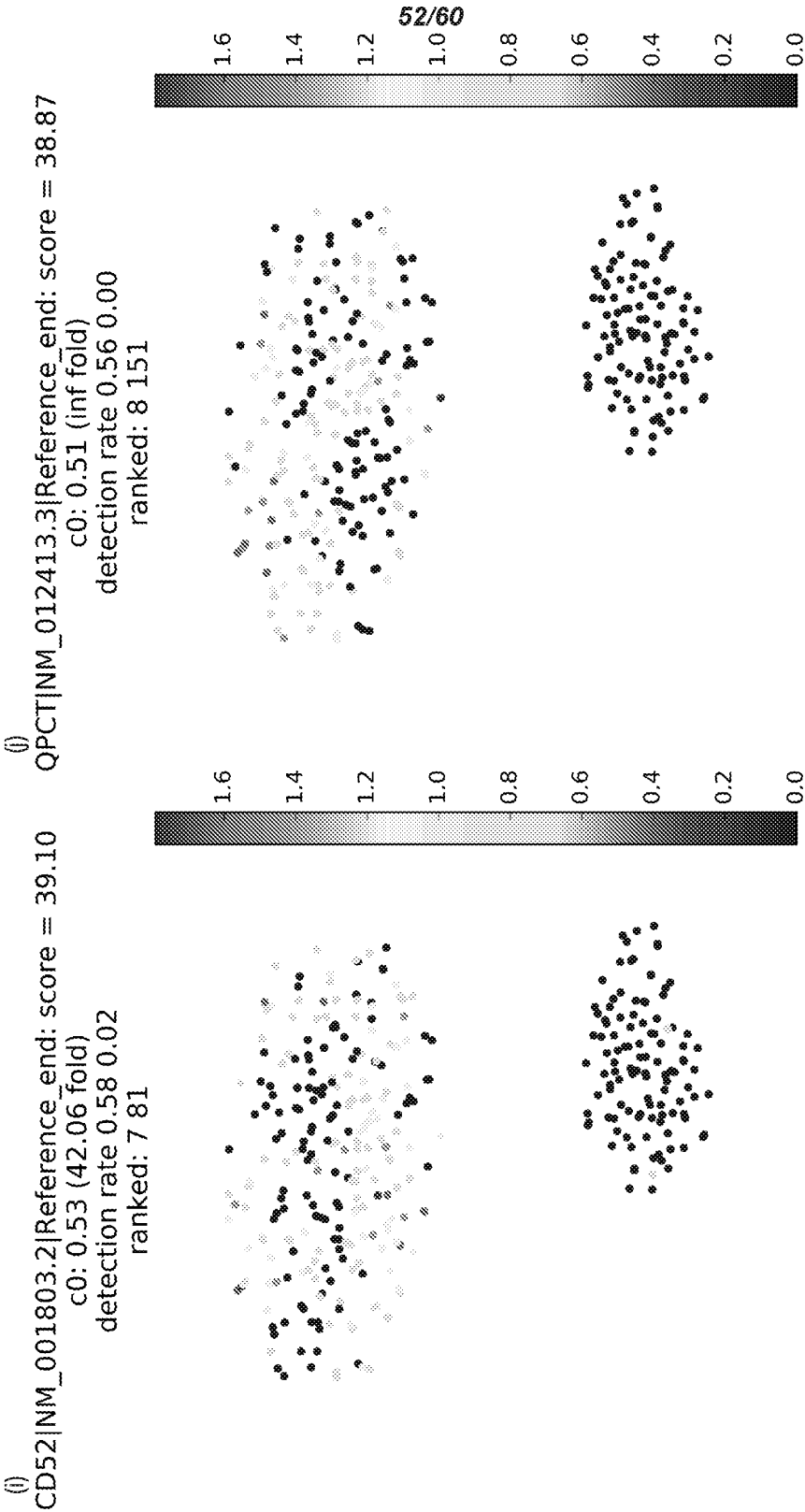


FIG. 21 (Continued)

t-SNE dimension reduction with 2 clusters
splitting result using a threshold of 10

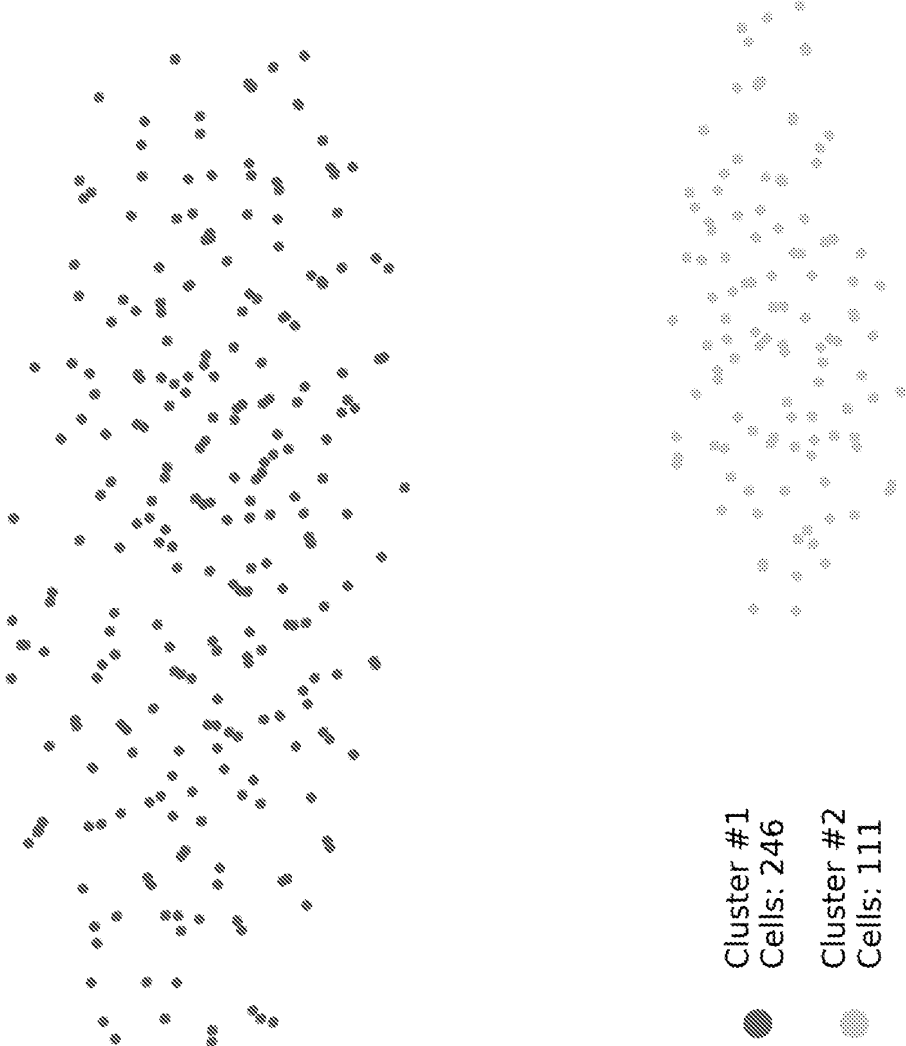


FIG. 22

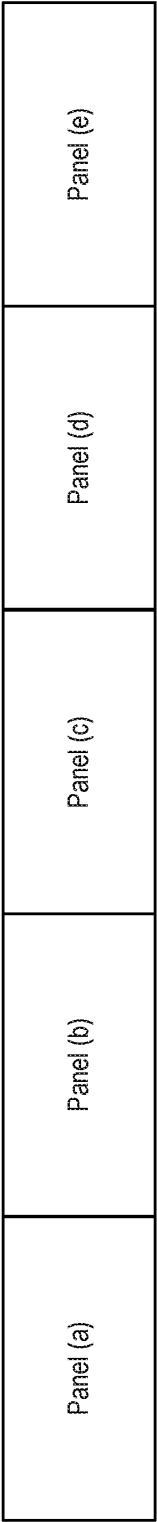


FIG. 23

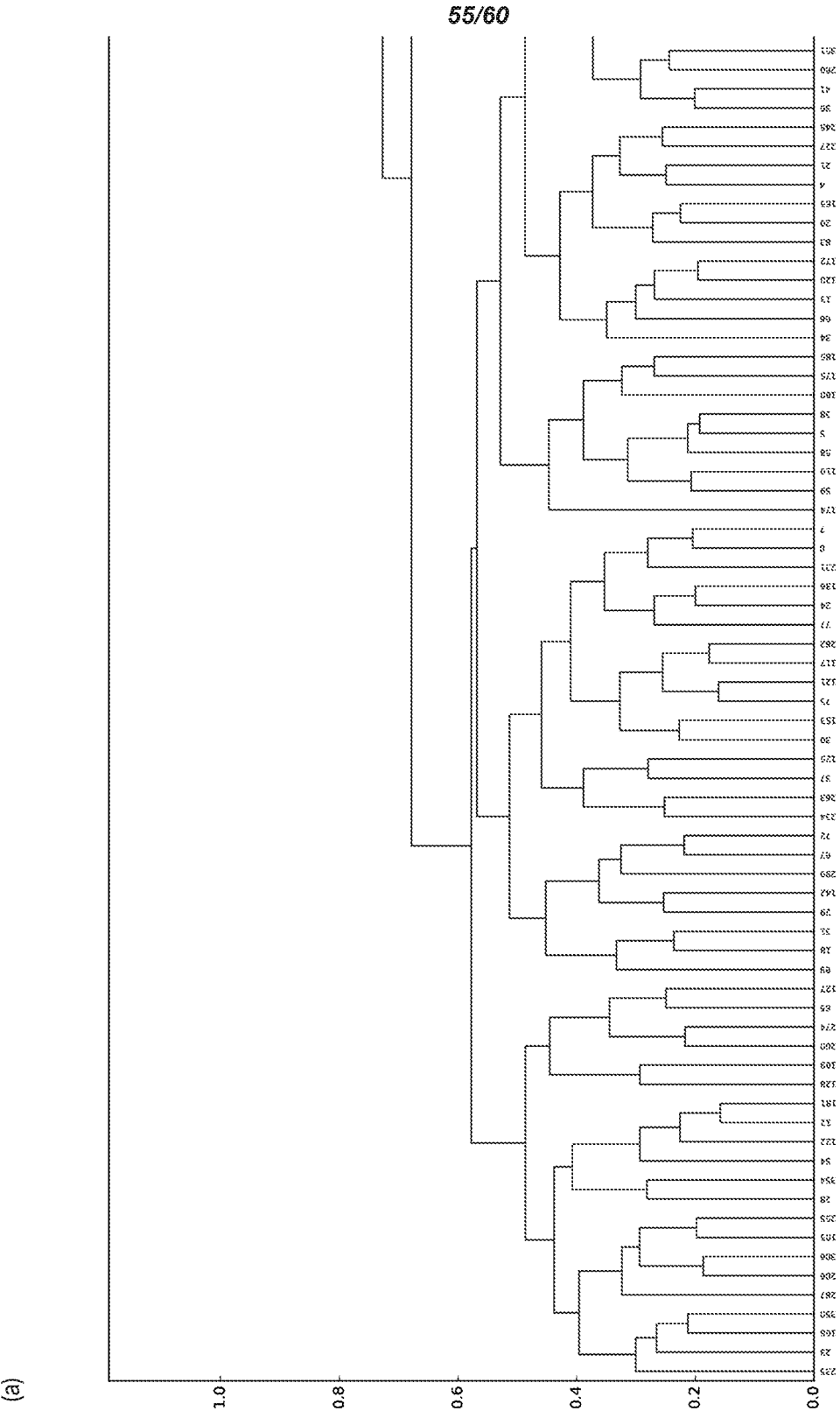


FIG. 23 (Continued)

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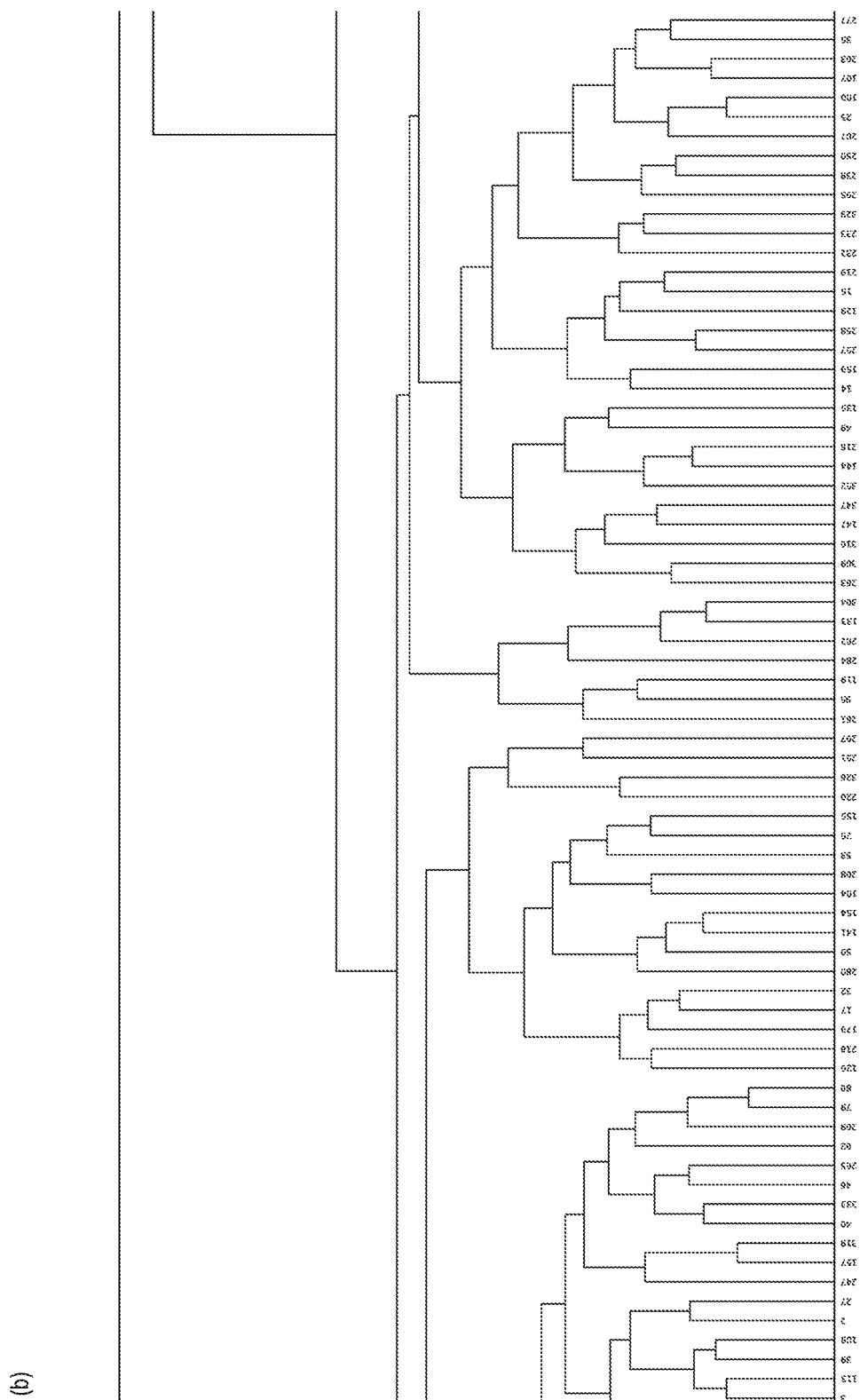


FIG. 23 (Continued)

(c)

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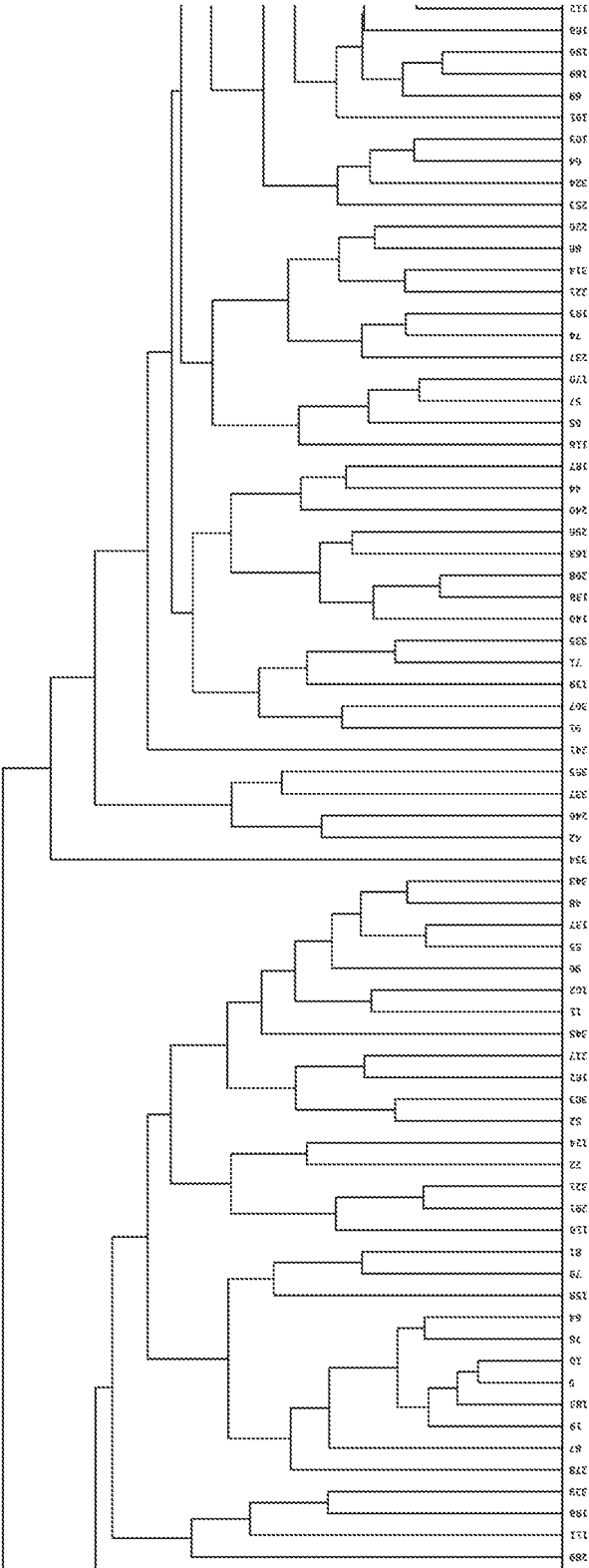


FIG. 23 (Continued)

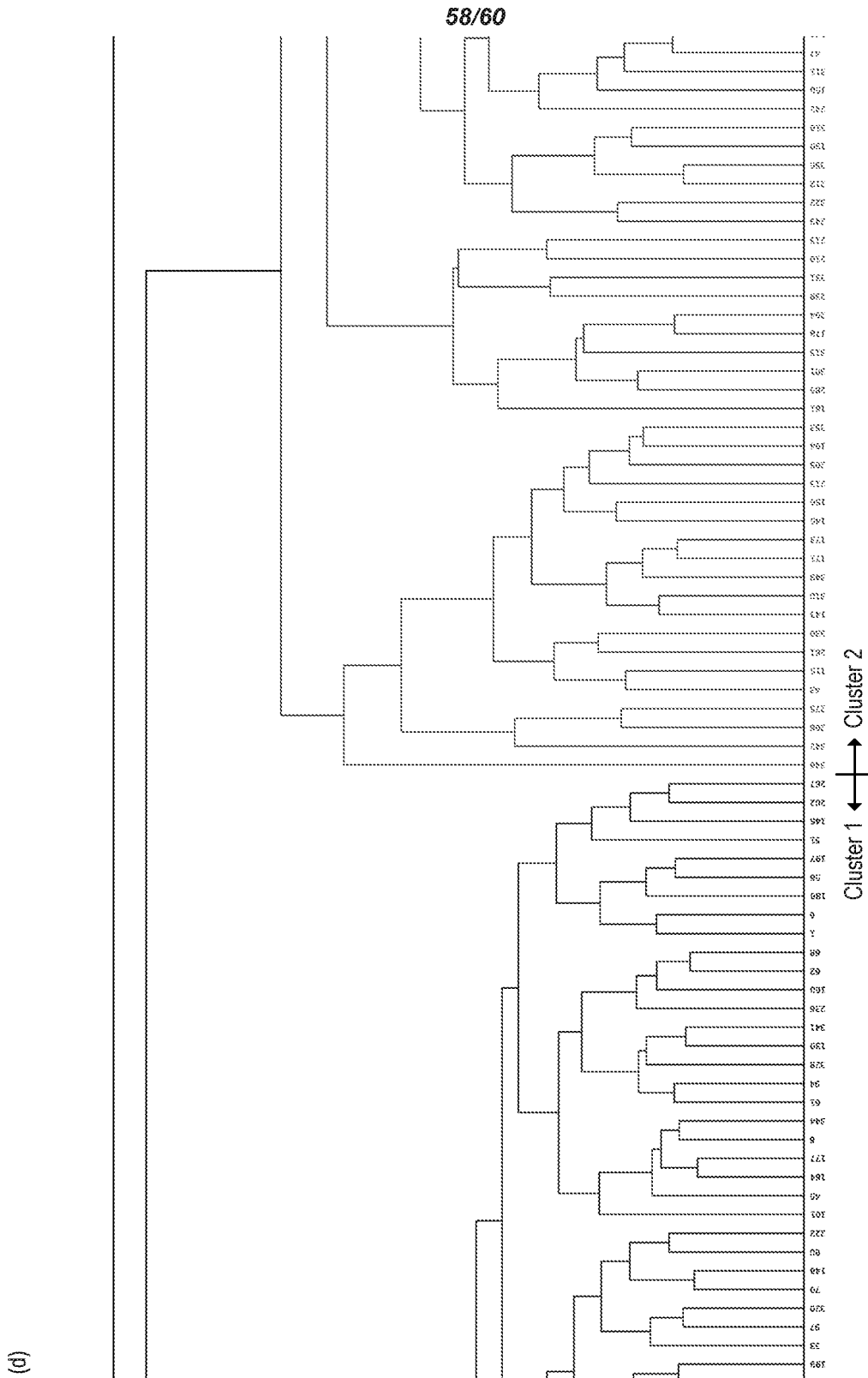


FIG. 23 (Continued)

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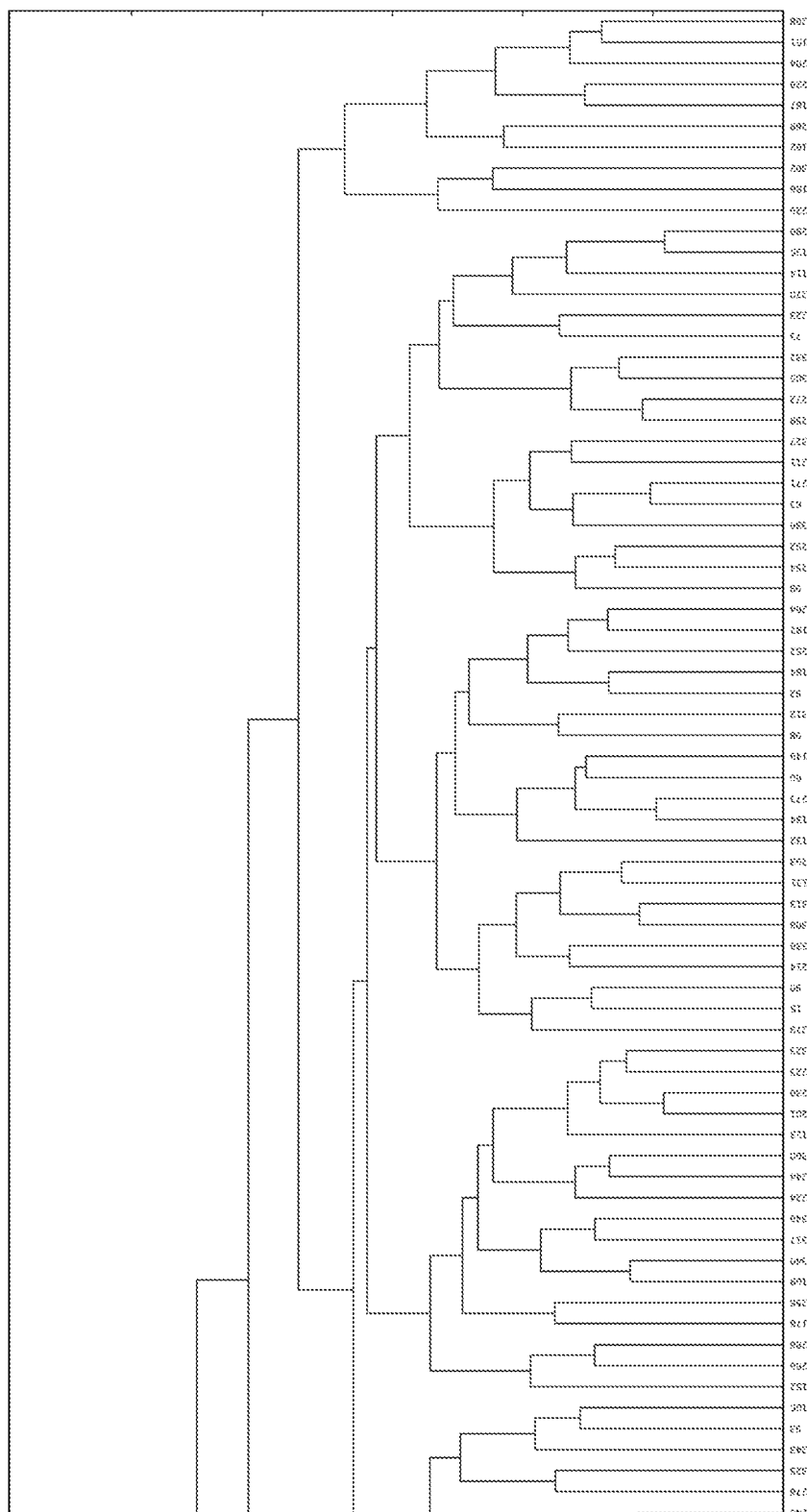


FIG. 23 (Continued)

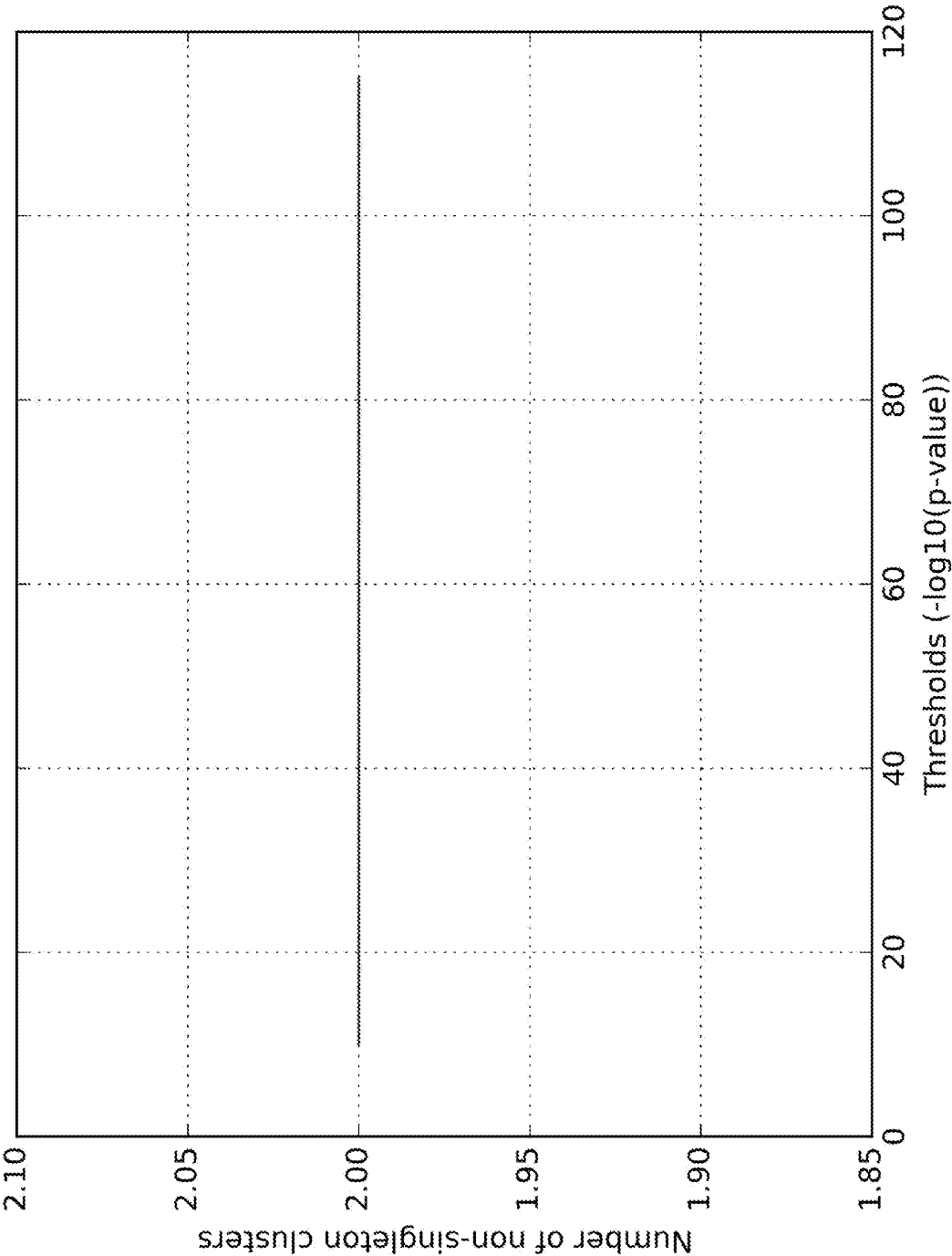


FIG. 24