Figure Captions

Figure 1. Pre- and post-training data for all collisions, training collisions, and transfer collisions from Experiment 2 for Participant 1. The size of each bubble indicates the proportion of ln mass ratio responses given for each true ln mass ratio.

Figure 2. Pre- and post-training data for all collisions, training collisions, and transfer collisions from Experiment 2 for Participant 2. The size of each bubble indicates the proportion of ln mass ratio responses given for each true ln mass ratio.

Figure 3. Pre- and post-training data for all collisions, training collisions, and transfer collisions from Experiment 2 for Participant 3. The size of each bubble indicates the proportion of ln mass ratio responses given for each true ln mass ratio.

Figure 4. Model fits to the post-training data from Experiment 2 for Participant 1 for the strong, strong ratio, and weak mass invariant models, I_S, I_{SR}, and I_W, respectively, the angle change invariant model, I_A, and the restricted exemplar model, E_R. A perfect fit would lie along the diagonal.

Figure 5. Model fits to the post-training data from Experiment 2 for Participant 2 for the strong, strong ratio, and weak mass invariant models, I_S, I_{SR}, and I_W, respectively, the angle change invariant model, I_A, and the restricted exemplar model, E_R. A perfect fit would lie along the diagonal.

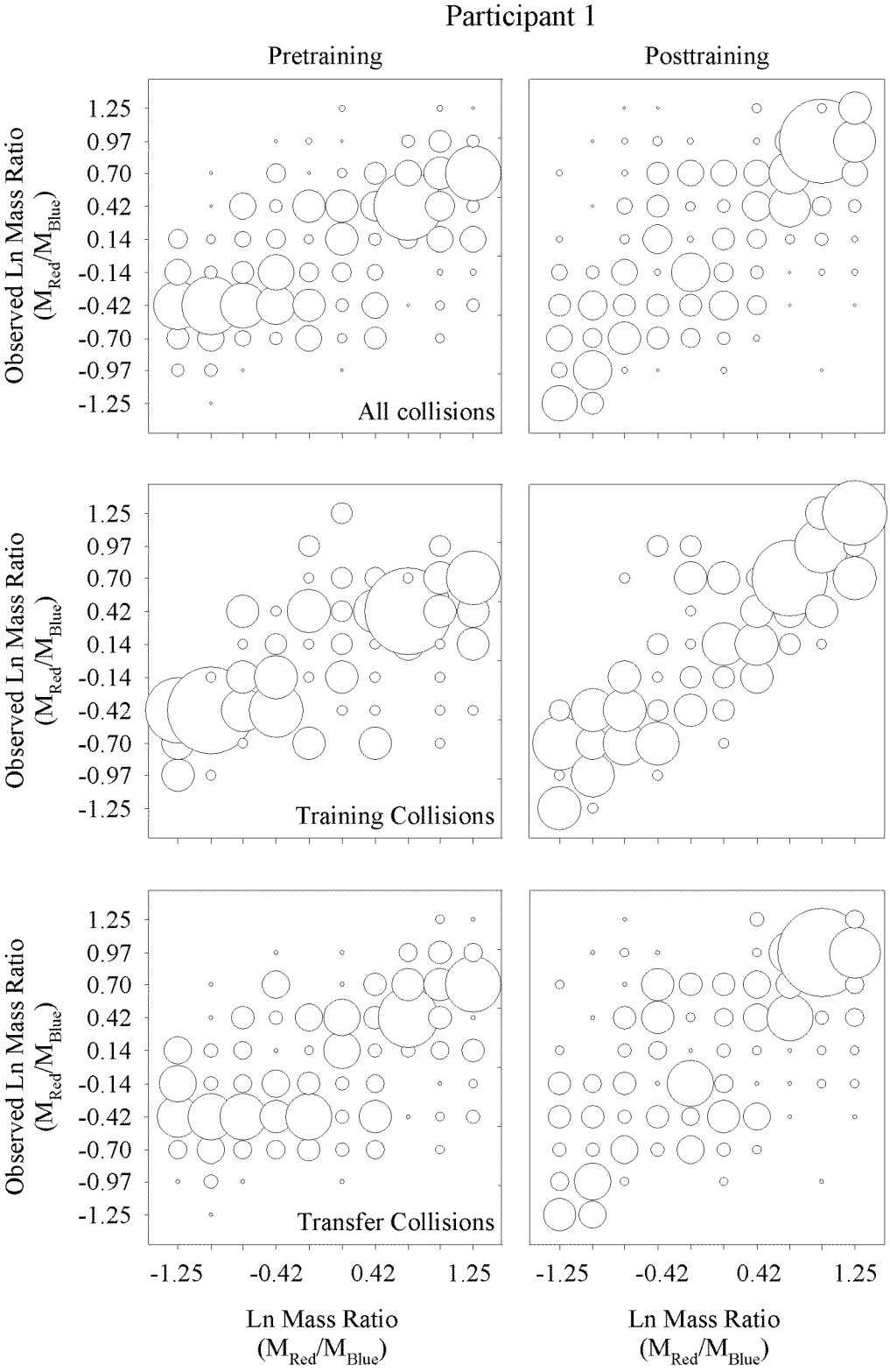
Figure 6. Model fits to the post-training data from Experiment 2 for Participant 3 for the strong, strong ratio, and weak mass invariant models, I_S, I_{SR}, and I_W, respectively, the angle change invariant model, I_A, and the restricted exemplar model, E_R. A perfect fit would lie along the diagonal.

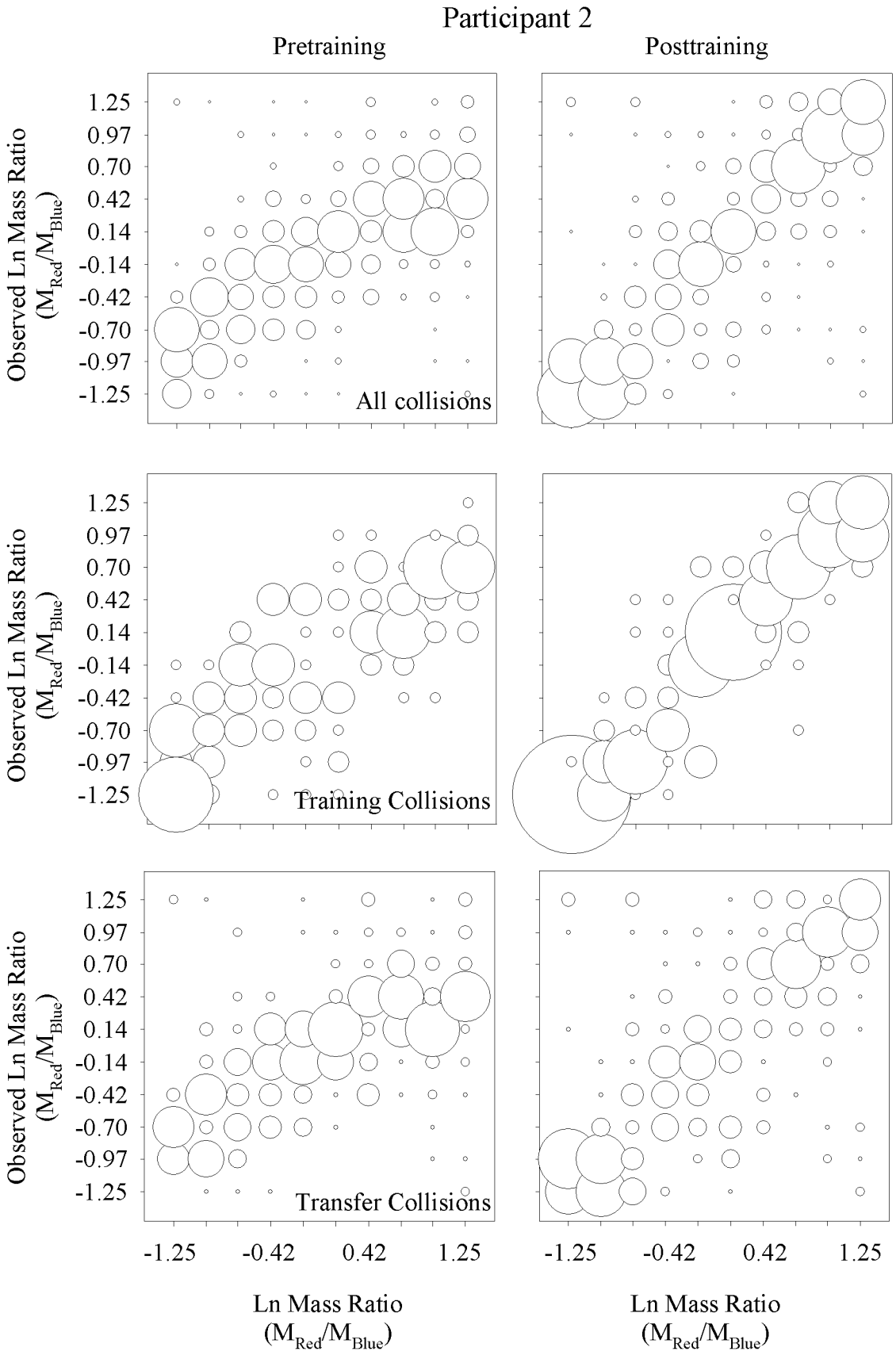
Figure 7. Model fits to the post-training data from Experiment 2 for Participant 1 for the strong and weak mass invariant models, I_{SP} and I_{WP}, respectively, the angle change invariant model, I_{AP},

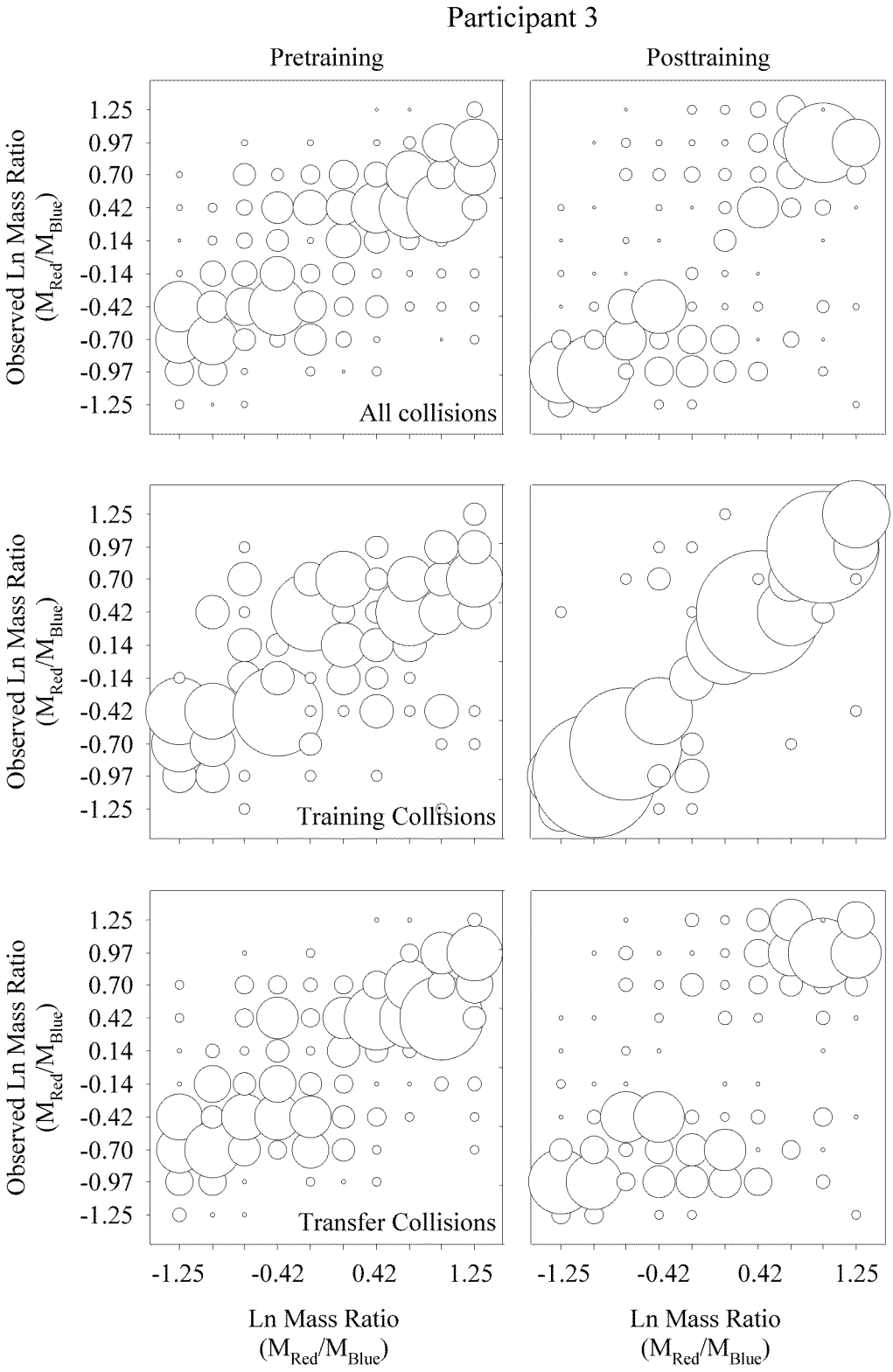
and the restricted exemplar model, E_{RP} with the inclusion of the pre-training strategies and the pre-training strategies only, P, model. A perfect fit would lie along the diagonal.

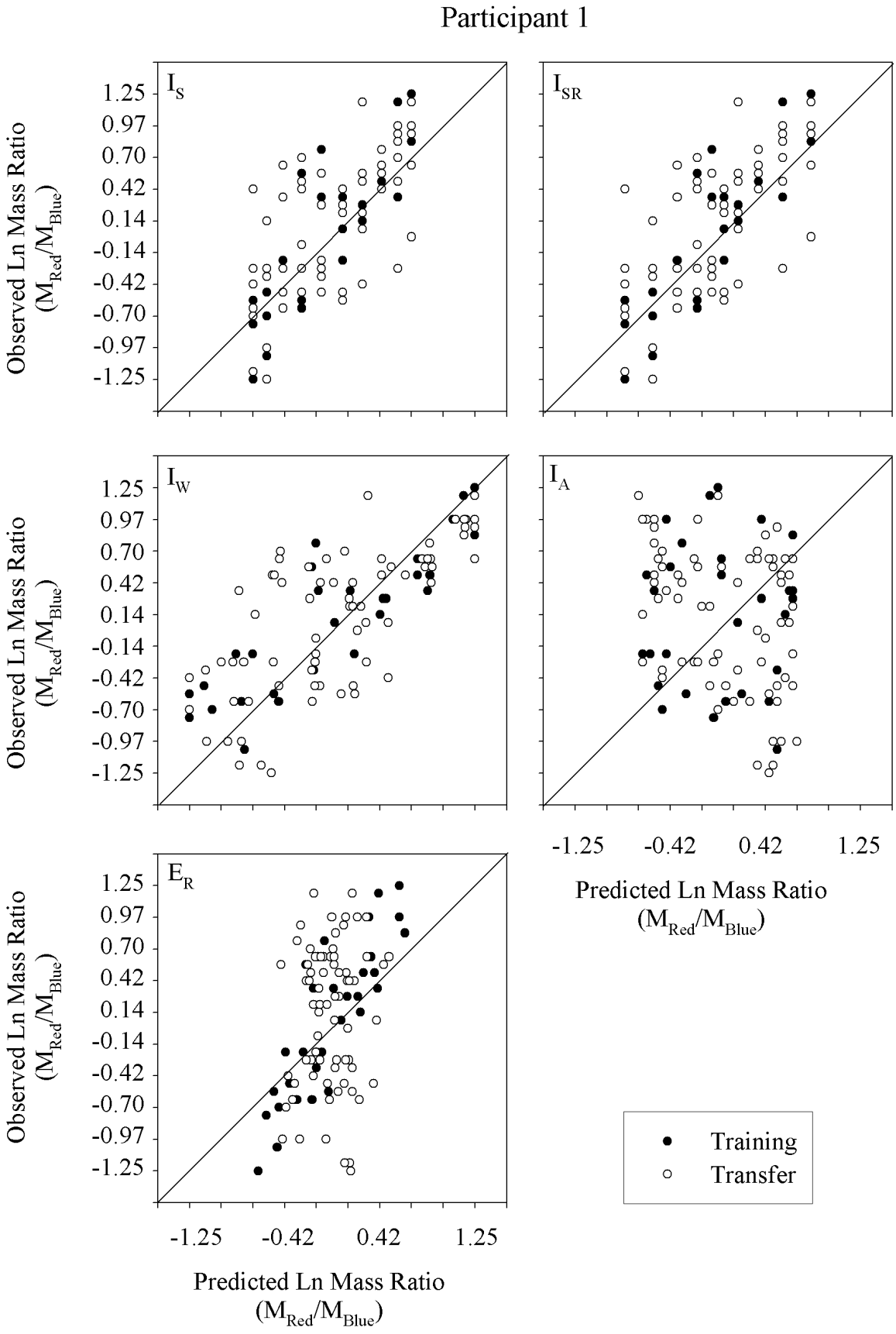
Figure 8. Model fits to the post-training data from Experiment 2 for Participant 2 for the strong and weak mass invariant models, I_{SP} and I_{WP}, respectively, the angle change invariant model, I_{AP}, and the restricted exemplar model, E_{RP} with the inclusion of the pre-training strategies and the pre-training strategies only, P, model. A perfect fit would lie along the diagonal.

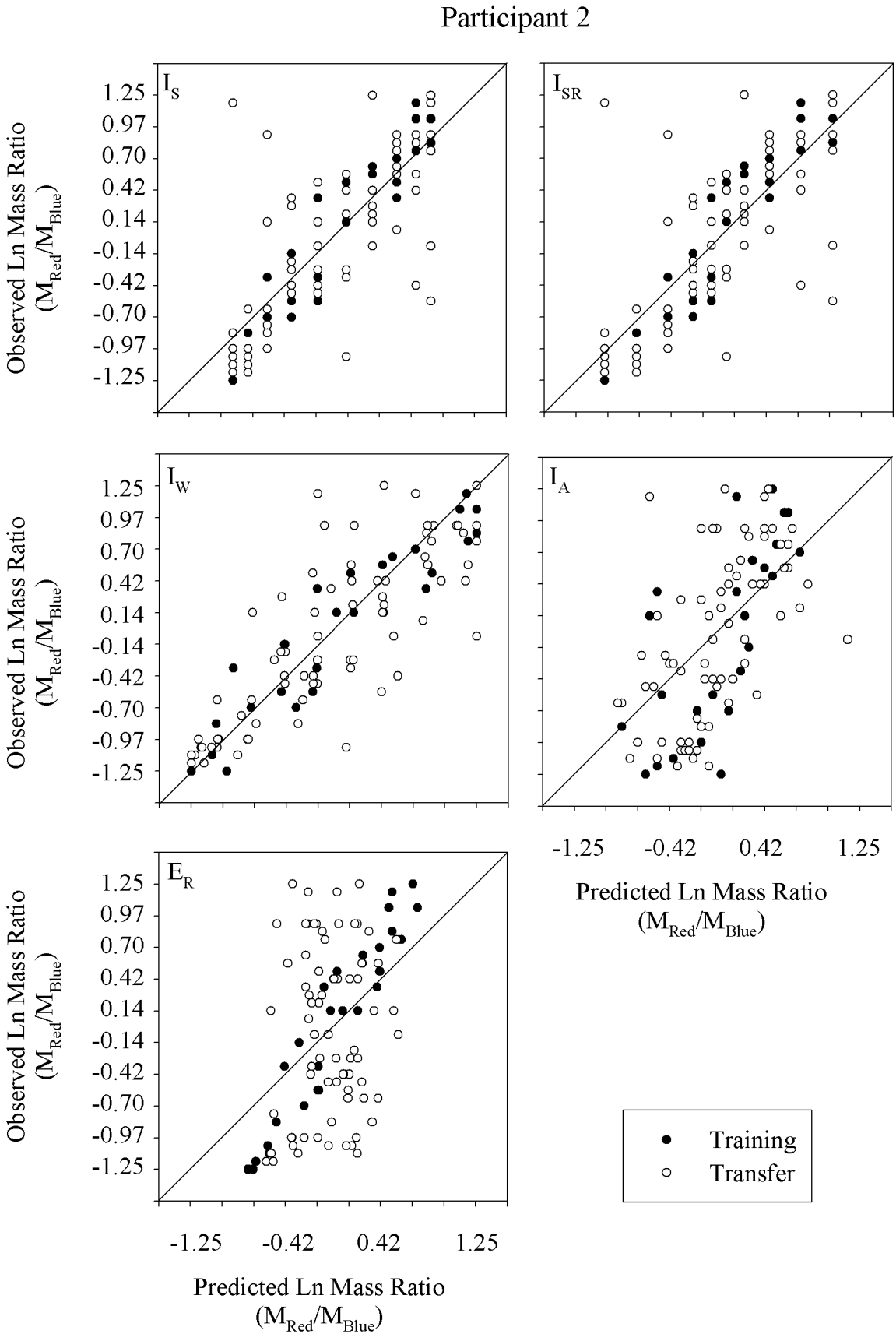
Figure 9. Model fits to the post-training data from Experiment 2 for Participant 3 for the strong and weak mass invariant models, I_{SP} and I_{WP}, respectively, the angle change invariant model, I_{AP}, and the restricted exemplar model, E_{RP} with the inclusion of the pre-training strategies and the pre-training strategies only, P, model. A perfect fit would lie along the diagonal.


Participant 1
Pretraining
Posttraining
Observed Ln Mass Ratio
(M_Red/M_Blue)
1.25
0.97
0.70
0.42
0.14
-0.14
-0.42
-0.70
-0.97
-1.25
All collisions
Training Collisions
Transfer Collisions
-1.25
-0.42
0.42
1.25
Ln Mass Ratio
(M_Red/M_Blue)

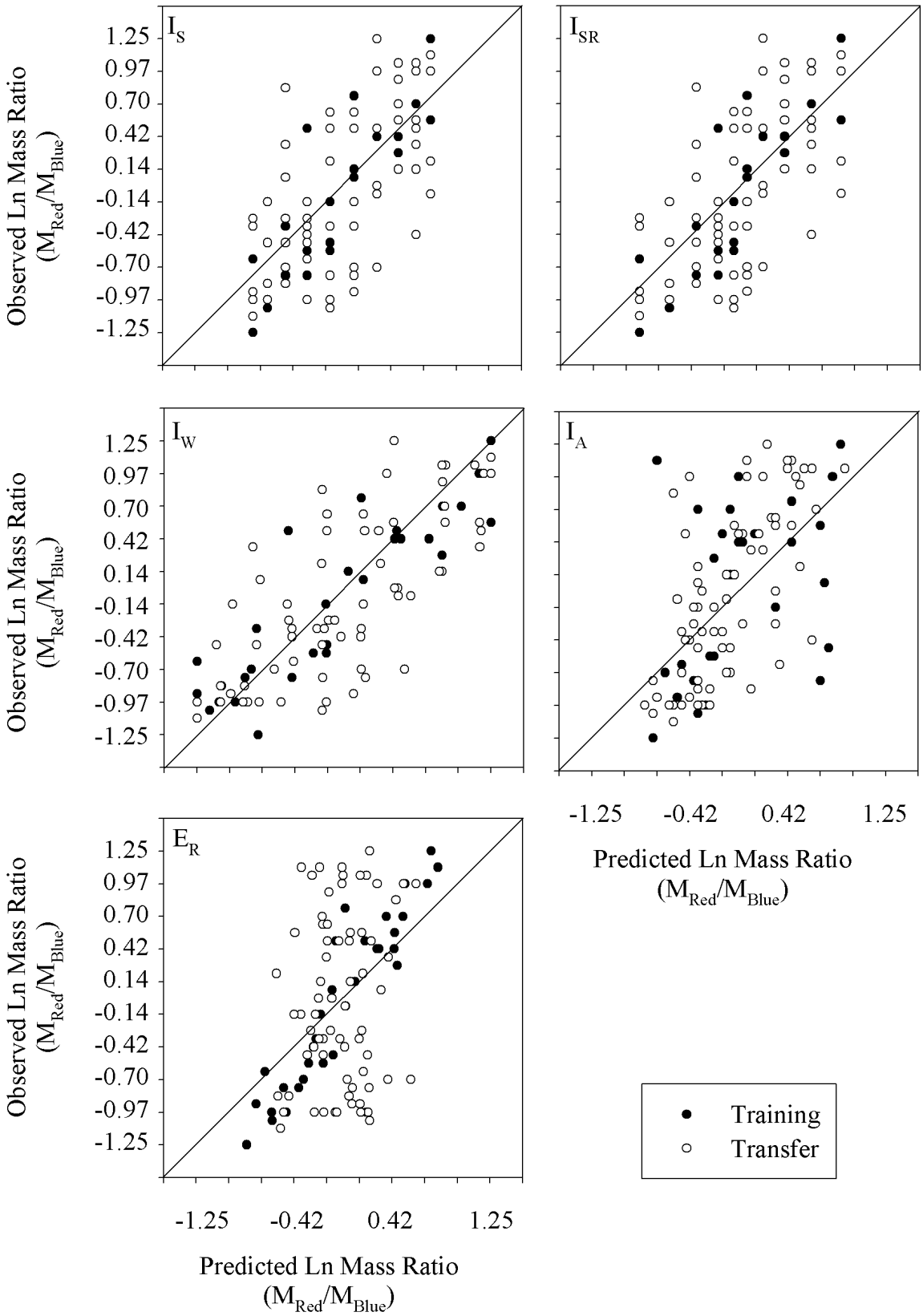

Participant 2
Pretraining
Posttraining
Observed Ln Mass Ratio
(M_Red/M_Blue)
1.25
0.97
0.70
0.42
0.14
-0.14
-0.42
-0.70
-0.97
-1.25
All collisions
Training Collisions
Transfer Collisions
-1.25
-0.42
0.42
1.25
Ln Mass Ratio
(M_Red/M_Blue)

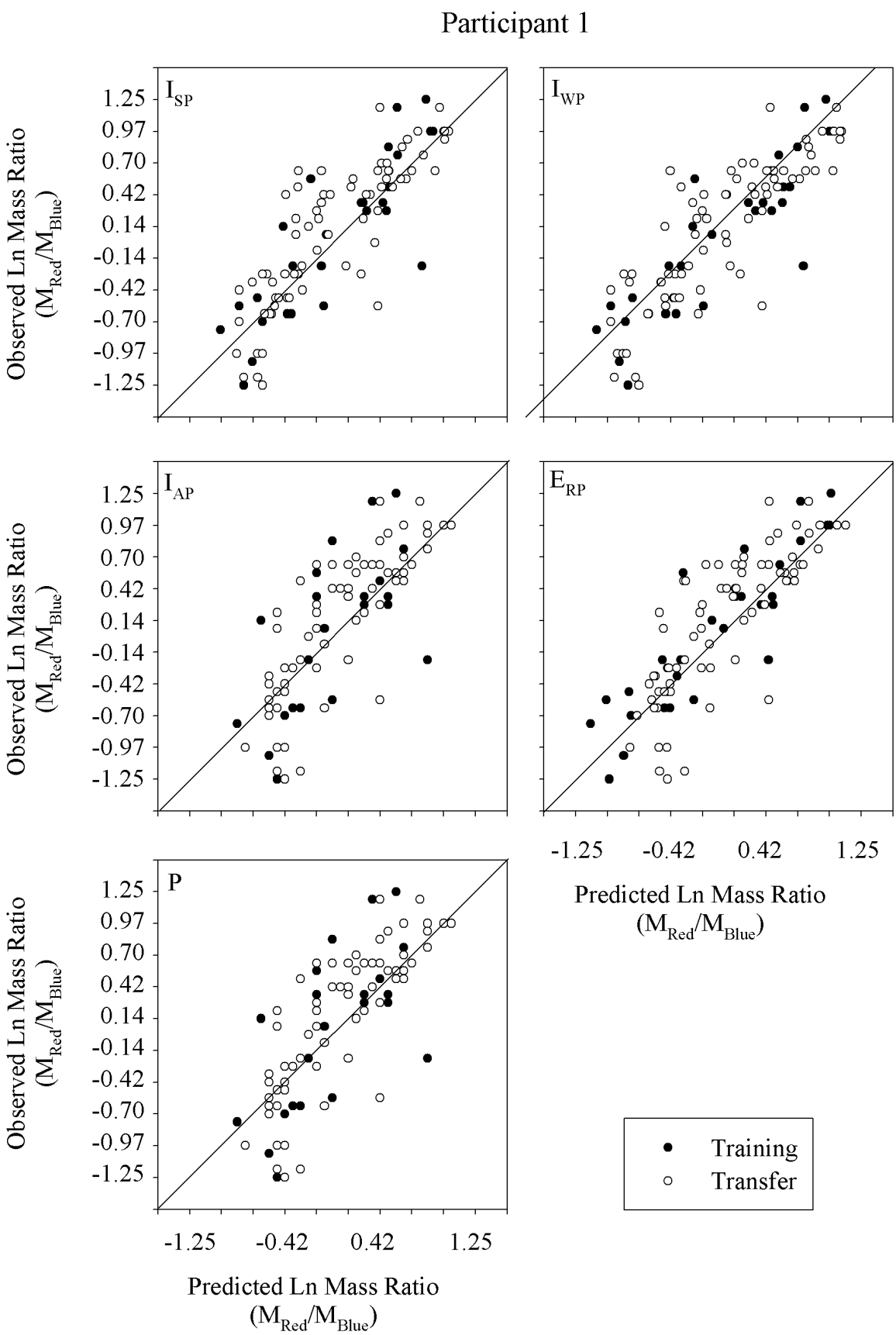

Participant 3
Pretraining
Posttraining
Observed Ln Mass Ratio
(M_Red/M_Blue)
1.25
0.97
0.70
0.42
0.14
-0.14
-0.42
-0.70
-0.97
-1.25
All collisions
Training Collisions
Transfer Collisions
-1.25
-0.42
0.42
1.25
Ln Mass Ratio
(M_Red/M_Blue)

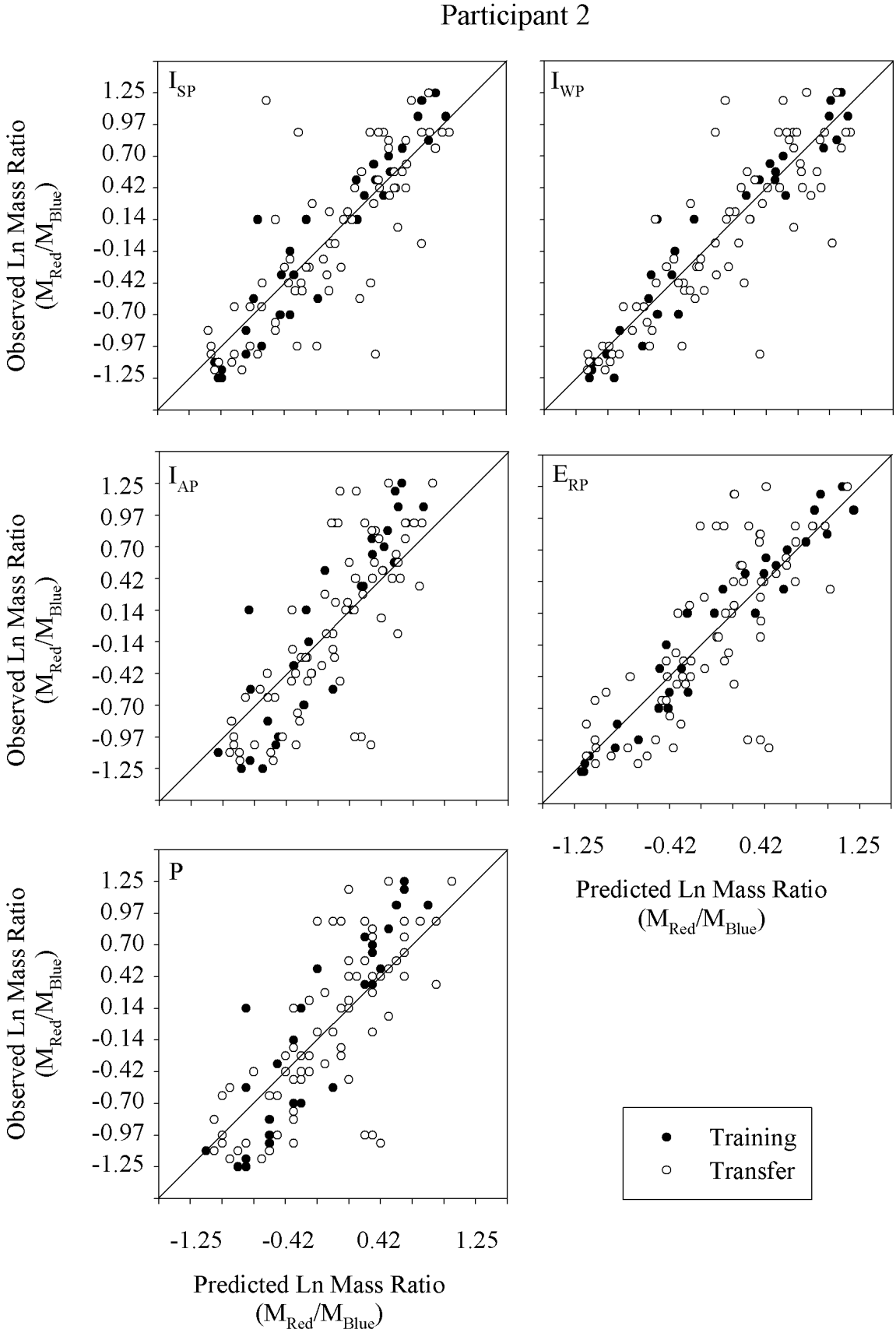

Participant 1
I_S
I_{SR}
I_W
I_A
E_R
1.25
0.97
0.70
0.42
0.14
-0.14
-0.42
-0.70
-0.97
-1.25
Observed Ln Mass Ratio
(M_{Red}/M_{Blue})
Predicted Ln Mass Ratio
(M_{Red}/M_{Blue})
Training
Transfer

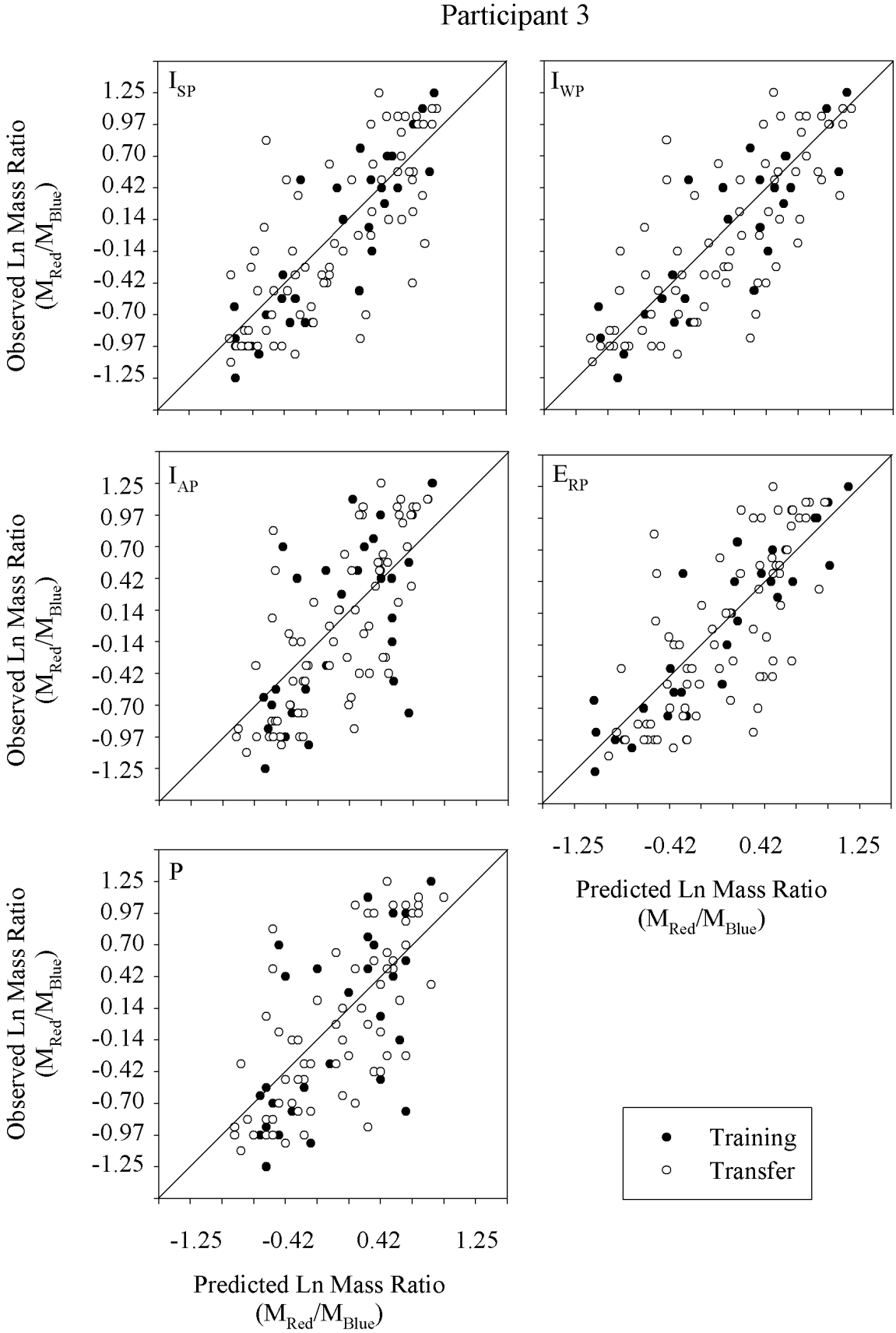

Participant 2
I_S
I_{SR}
I_W
I_A
E_R
1.25
0.97
0.70
0.42
0.14
-0.14
-0.42
-0.70
-0.97
-1.25
Observed Ln Mass Ratio
(M_{Red}/M_{Blue})
Predicted Ln Mass Ratio
(M_{Red}/M_{Blue})
Training
Transfer

Participant 3




Participant 1
I_{SP}
I_{WP}
I_{AP}
E_{RP}
P
1.25
0.97
0.70
0.42
0.14
-0.14
-0.42
-0.70
-0.97
-1.25
Observed Ln Mass Ratio
(M_{Red}/M_{Blue})
Predicted Ln Mass Ratio
(M_{Red}/M_{Blue})
Training
Transfer


Participant 2
I_{SP}
I_{WP}
I_{AP}
E_{RP}
P
1.25
0.97
0.70
0.42
0.14
-0.14
-0.42
-0.70
-0.97
-1.25
Observed Ln Mass Ratio
(M_{Red}/M_{Blue})
Predicted Ln Mass Ratio
(M_{Red}/M_{Blue})
Training
Transfer


Participant 3
I_{SP}
I_{WP}
I_{AP}
E_{RP}
P
1.25
0.97
0.70
0.42
0.14
-0.14
-0.42
-0.70
-0.97
-1.25
Observed Ln Mass Ratio
(M_{Red}/M_{Blue})
Predicted Ln Mass Ratio
(M_{Red}/M_{Blue})
Training
Transfer